

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
5 October 2000 (05.10.2000)

PCT

(10) International Publication Number
WO 00/58473 A3

(51) International Patent Classification⁷: **C12N 15/12**,
C07K 14/47, 16/18, G01N 33/566, C12Q 1/68, C12N
15/11, 15/62, A01K 67/027, A61K 38/00

Richard, A. [US/US]; 191 Leete Street, West Haven,
CT 06516 (US). LEACH, Martin [GB/US]; 884 School
Street, Webster, MA 01570 (US).

(21) International Application Number: PCT/US00/08621

(74) Agent: ELRIFI, Ivor, R.; Mintz, Levin, Cohn, Ferris,
Glovsky and Popeo, P.C., One Financial Center, Boston,
MA 02111 (US).

(22) International Filing Date: 31 March 2000 (31.03.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/127,607 31 March 1999 (31.03.1999) US
60/127,636 2 April 1999 (02.04.1999) US
60/127,728 5 April 1999 (05.04.1999) US
09/540,763 30 March 2000 (30.03.2000) US

(81) Designated States (*national*): AE, AL, AM, AT, AU, AZ,
BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK,
DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,
LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT,
RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA,
UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent
(AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent
(AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU,
MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GW, ML, MR, NE, SN, TD, TG).

(63) Related by continuation (CON) or continuation-in-part
(CIP) to earlier applications:

US 60/127,607 (CIP)
Filed on 31 March 1999 (31.03.1999)
US 60/127,636 (CIP)
Filed on 2 April 1999 (02.04.1999)
US 60/127,728 (CIP)
Filed on 5 April 1999 (05.04.1999)
US 09/540,763 (CIP)
Filed on 30 March 2000 (30.03.2000)

Published:

- With international search report.
- Before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments.

(71) Applicant (*for all designated States except US*): CURA-
GEN CORPORATION [US/US]; 555 Long Wharf Drive,
11th Floor, New Haven, CT 06511 (US).

(88) Date of publication of the international search report:
25 January 2001

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): SHIMKETS,

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

WO 00/58473 A3

(54) Title: NUCLEIC ACIDS INCLUDING OPEN READING FRAMES ENCODING POLYPEPTIDES; "ORFX"

(57) Abstract: The present invention provides open reading frames encoding isolated polypeptides, as well as polynucleotides en-
coding ORFX and antibodies that immunospecifically bind to ORFX or any derivative, variant, mutant, or fragment of the ORFX
polypeptides, polynucleotides or antibodies. The invention additionally provides methods in which the ORFX polypeptide, polynu-
cleotide and antibody are used in detection and treatment of a broad range of pathological states, as well as to other uses.

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/12 C07K14/47 C07K16/18 G01N33/566 C12Q1/68
C12N15/11 C12N15/62 A01K67/027 A61K38/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N C07K G01N A01K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

BIOSIS, EMBASE, MEDLINE, CAB Data, PAJ, EPO-Internal, WPI Data, STRAND

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| A | COLE S.T.: "Deciphering the biology of Mycobacterium tuberculosis from the complete genome sequence." NATURE, vol. 393, 11 June 1998 (1998-06-11), XP002144873 sequence | |
| A | --- LAMERDIN J.E.: "Sequence analysis of a 3.5 Mb contig in human 19p13.3 containing a serine protease gene cluster." EMEST DATABASE ENTRY, 8 February 1999 (1999-02-08), XP002144874 sequence --- -/-- | |



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

21 August 2000

Date of mailing of the international search report

23.11.00

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Hix, R

INTERNATIONAL SEARCH REPORT

Internat. Application No
PCT/US 00/08621

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| P,X | <p>M.D. ADAMS ET AL.: "The genome sequence of <i>Drosophila melanogaster</i>." SCIENCE, vol. 287, 24 March 2000 (2000-03-24), pages 2185-2195, XP002144875 the whole document -----</p> | 6 |

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 00/08621

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 27 to 32 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims, and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

claims 1 to 32 partially

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claim : 1 to 32 partially

Isolated nucleic acid molecule encoding a polypeptide comprising an amino acid sequence that is at least 85% identical to a polypeptide including an amino acid sequence selected from a group consisting of SEQ ID NO 2n wherein n is 1, oligonucleotides less than 100 nucleotides in length and comprising at least 6 contiguous nucleotides from the above sequence, polypeptides encoded by said nucleotides, antibodies that bind to said polypeptide, pharmaceutical composition comprising said polypeptide and methods of detection, screening, therapeutic uses involving said polypeptide.

2. Claim : .

Inventions 2 to 3161

claims 1 to 32 partially :

Isolated nucleic acid molecule encoding a polypeptide comprising an amino acid sequence that is at least 85% identical to a polypeptide including an amino acid sequence selected from a group consisting of SEQ ID NO 2n wherein n is 2 to 3161, oligonucleotides less than 100 nucleotides in length and comprising at least 6 contiguous nucleotides from the above sequence, polypeptides encoded by said nucleotides, antibodies that bind to said polypeptide, pharmaceutical composition comprising said polypeptide and methods of detection, screening, therapeutic uses involving said polypeptide.

| | | | | |
|------|-----------------------|--|--|--|
| 3032 | 94130124 (6063, 6064) | Novel Protein sim. GBank gij1019951 (U37429) - similar to M. musculus MER5 and other AHPCT/SA proteins [Caenorhabditis elegans] | Contains protein domain (PF00534) - synthase Glycosyl transferases group 1 | 22278996, 35696286, 264259, 29331824, 29331828, 264907, 29331830, 264758, 33109954, 87188474, 87188559, 265019, 264288, 21908769, 265021, 264693, 35696423, 35695855, 264636, 56182323, 83373044, 87188518 |
| 3033 | 95308321 (6065, 6066) | Novel Protein sim. GBank gij5031573jref[NP_005712.1]pACTR - ARP3 (actin-related protein 3, yeast) homolog | Contains protein domain (PF00022) - struct Actin | 35696286, 264259, 29331826, 35696052, 264508, 264905, 264906, 264907, 264908, 264909, 265008, 264591, 21906754, 265010, 265019, 264681, 264369, 264768, 21906764, 21906768, 35695917, 33657023, 264628, 35695855, 264632, 264635, 264639, 264482, 264563 |
| 3034 | 80415373 (6067, 6068) | | UNCLASSIFIED | 264906, 264907, 264510, 264592, 265010, 264762, 264766, 264637, 264638, 264486, 264636 |
| 3035 | 91220682 (6069, 6070) | Novel Protein sim. GBank gij3738207[embjCAA21262] - (AL031853) conserved ATP-GTP binding protein [Schizosaccharomyces pombe] | UNCLASSIFIED | |
| 3036 | 91718323 (6071, 6072) | Novel Protein sim. GBank gij728837[spP39194]ALU7_HUMAN - IIII ALU SUBFAMILY SQ WARNING ENTRY IIII | kinase | 264907, 33657402, 265021 |
| 3037 | 95307434 (6073, 6074) | Novel Protein sim. GBank gij4406590[gb]AAD20040] - (AF131766) Similar to Ena-VASP like protein [Homo sapiens] | | 265017 |
| 3038 | 95421807 (6075, 6076) | Novel Protein sim. GBank gij5360093[gb]AAD42865.1[AF155099] NY-REN 18 antigen [Homo sapiens] | Contains protein domain (PF00627) - UNCLASSIFIED UBA domain | 22278996, 22278997, 264259, 264905, 265007, 265009, 60433356, 21906754, 265018, 265019, 18108351, 264687, 21906765, 265020, 265021, 65274620, 27486262, 264636, 56182323, 18108385, 22279000 |
| 3039 | 87332257 (6077, 6078) | Novel Protein sim. GBank gij4757128[embjCAB42094.1] - (AJ238717) ZRP protein [Rattus norvegicus] | UNCLASSIFIED | 35696286, 29331828, 264109, 264110, 264511, 265007, 21906754, 265011, 264681, 264683, 264687, 21906768, 264691, 18108370, 263972, 264629, 18108374, 263977, 35696423, 264564, 18108391, 264692, 264558, 18108382, 18108385, 264567 |
| 3040 | 90933517 (6078, 6080) | Novel Protein sim. GBank gij4884278[embjCAB43247.1] - (AL050037) hypothetical protein [Homo sapiens] | UNCLASSIFIED | |
| 3041 | 88312357 (6081, 6082) | Novel Protein sim. GBank gij3876073[embjCAB04122.1] - (Z81505) similar to Zinc finger, C3HC4 type (RING finger); cDNA EST EMBL:D28025 comes from this gene; cDNA EST EMBL:D28024 comes from this gene; cDNA EST EMBL:D33210 comes from this gene; cDNA EST EMBL:D33441 comes from this ... | UNCLASSIFIED | 56994075, 22278997, 22278998, 29331827, 33656970, 33109954, 21906754, 87188559, 264600, 264683, 21906765, 21906768, 22279002 |
| 3042 | 85749402 (6083, 6084) | Novel Protein sim. GBank gij790236 (U21156) - sarcolemmal associated protein-2 [Oryctolagus cuniculus] | glycoprotein | 264636 |

| | | | | | |
|------|-----------------------|---|---|---------------|--|
| 3043 | 87773026 (6085, 6086) | Novel Protein sim. GBank gij854065[emb] [CAA58337] - (X83413) U88 [Human herpesvirus 6] | | UNCLASSIFIED | 35696286, 60424269, 35696052, 264508, 264905, 66712502, 56182435, 55811386, 52644296, 55811150, 35695917, 60170615, 33557109, 18108374, 264834, 60431850, 22278996, 22278998, 22278999, 29331824, 56182435, 264511, 265007, 60170831, 60432229, 60433356, 33109954, 18108351, 264288, 35695917, 18108368, 18108370, 60170394 |
| 3044 | 87846182 (6087, 6088) | Novel Protein sim. GBank gij4104922 (AF042276) - o251 homolog [Pseudomonas putida] | Contains protein domain (PF01209) - ubiE/COQ5 methyltransferase family | glycoprotein | |
| 3045 | 94127598 (6089, 6090) | Novel Protein sim. GBank gij4589680[dbj] [BAA76859.1] - (AB023232) KIAA1015 protein [Homo sapiens] | Contains protein domain (PF00096) - Zinc finger, C2H2 type | dna_rna_bind | 264488, 264259, 35696052, 264508, 264905, 264509, 264906, 264907, 264909, 264511, 265006, 264591, 264593, 33109954, 264604, 264764, 264683, 264288, 264766, 264768, 21906765, 21906768, 55811957, 35695917, 27486262, 18108370, 264628, 18108374, 35695855, 264630, 264632, 264635, 264563, 264564, 264566 |
| 3046 | 88098247 (6091, 6092) | | | UNCLASSIFIED | 22278999, 29331822, 29331824, 29331825, 29331826, 60432289, 29331827, 29331828, 264906, 52646317, 55811957, 60432113, 22279000, 22279002, 264482, 264564 |
| 3047 | 95089924 (6093, 6094) | | | UNCLASSIFIED | 264488, 22278996, 22278997, 22278999, 29331824, 29331825, 56182435, 264511, 265008, 265009, 265011, 265017, 264766, 21906768, 21906769, 35695917, 52644150, 33657349, 65274791, 35695855, 264555, 60432113, 22279000, 264566 |
| 3048 | 87629419 (6095, 6096) | Novel Protein sim. GBank gij4588034[gb] [AAD25962.1] [AF09287] - (AF092878) zinc RING finger protein SAG [Homo sapiens] | Contains protein domain (PF00097) - Zinc finger, C3HC4 type (RING finger) | UNCLASSIFIED | 264102, 29148784 |
| 3049 | 88229955 (6097, 6098) | Novel Protein sim. GBank gij5454158[ref] [NP_006286.1] [pVARS - valyl-IRNA synthetase 1] | Contains protein domain (PF01406) - IRNA synthetases class I (C) | UNCLASSIFIED | 22278997, 29331826, 264907, 264758, 87168559, 265018, 264448, 21906766, 265020, 33657109, 35695855, 60432113, 22279000 |
| 3050 | 87643678 (6099, 6100) | Novel Protein sim. GBank gij4589642[dbj] [BAA76843.1] - (AB023216) KIAA0999 protein [Homo sapiens] | Contains protein domain (PF00069) - Eukaryotic protein kinase domain | kinase | 264259, 29331825, 264909, 265007, 264512, 265019, 264288, 21906766, 265020, 264693, 18108385, 56526486, 87168518, 22279002, 264566 |
| 3051 | 87750599 (6101, 6102) | | | | 22278997, 264595, 265019, 264288, 264693, 87168518 |
| 3052 | 57108030 (6103, 6104) | Novel Protein sim. GBank gij117528[sp] [P14755] [CRYL_RABIT - LAMBDA-CRYSTALLIN] | | dehydrogenase | 264534 |

| | | | | | |
|------|-----------------------|--|--|--------------|--|
| 3053 | 95350373 (6105, 6106) | Novel Protein sim. GBank gij3947613[emb CAA19465.1] - (AL023828) cDNA EST EMBL.M89008 comes from this gene; cDNA EST yk282d3.5 comes from this gene [Caenorhabditis elegans] | | UNCLASSIFIED | 65274572, 56181686, 22278995, 35696286, 22278998, 264259, 60432289, 265008, 265009, 60433438, 21906754, 265010, 87168559, 264603, 265018, 265019, 264763, 264764, 264288, 21906765, 21906766, 21906768, 21906769, 35695917, 18108374, 35696423, 264638, 56182323, 22279000, 264563 |
| 3054 | 86943510 (6107, 6108) | Novel Protein sim. GBank gij1076211[pir S50755 - hypothetical protein VSP-3 - Chlamydomonas reinhardtii] | | UNCLASSIFIED | 35696286, 35696052, 29331830, 264908, 264909, 264512, 264910, 265017, 264604, 264766, 265020, 33657109, 264628, 35695855, 264636, 264564, 264566, 264486 |
| 3055 | 95350537 (6109, 6110) | Novel Protein sim. GBank gij4680855[gb AAD27717.1 AF13294 - (AF132942) CGI-08 protein [Homo sapiens] | | transport | 60424179, 65274572, 56182575, 35696286, 22278996, 22278999, 60432049, 264259, 60424269, 60432289, 35696052, 56182435, 265006, 265009, 60170831, 60432229, 60431735, 60433356, 264594, 60433438, 21906754, 55811386, 265011, 87168559, 265019, 18108351, 264683, 264288, 264369, 264689, 21906788, 55811957, 35695917, 60170815, 33657023, 65274620, 33657109, 35695763, 60431528, 18108374, 55810764, 55811576, 35696423, 65274791, 264636, 60431850, 18108381, 56182323, 60170394, 18108385, 60432113, 264564, 264565, 264566 |
| 3056 | 91661636 (6111, 6112) | Novel Protein sim. GBank gij728837[sp P39194 ALU7_HUMAN - IIII ALU SUBFAMILY SQ WARNING ENTRY IIII] | | glycoprotein | 264488, 264569, 18108394, 52646842, 22278997, 22278998, 22278999, 264259, 66714117, 29331826, 29331827, 35696052, 264508, 264509, 264905, 264906, 264907, 264908, 264909, 265006, 264512, 265007, 265008, 265009, 264910, 33657402, 55812038, 264596, 264758, 265010, 265011, 265017, 265019, 264760, 18108351, 264762, 264763, 264764, 264288, 264766, 264687, 18108357, 264768, 264769, 264689, 21906765, 21906766, 21906767, 21906768, 21906769, 35695917, 265020, 265021, 264691, 264693, 33657109, 18108370, 264628, 264629, 18108374, 55811576, 35696423, 35695855, 264630, 264631, 264632, 264634, 264635, 264636, 264637, 264638, 18108381, 83373044, 18108385, 22279000, 22279002, 264563, 264564, 264565, 264566, 264486, 264567 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 3057 | 95412746 (6113, 6114) | Novel Protein sim. GBank gi 3878119 emb CAA88860 - (Z49068) similar to GTP-binding protein; cDNA EST EMBL:M89111 comes from this gene; cDNA EST EMBL:D27709 comes from this gene; cDNA EST EMBL:D27708 comes from this gene; cDNA EST EMBL:D73788 comes from this gene; cDNA EST yk353.... | | | 264508, 264905, 264907, 264908, 264909, 264510, 264512, 264910, 264592, 264594, 264767, 18108374, 264635, 264555, 264637, 264639, 264563, 264564, 264565, 264486 |
| 3058 | 79646226 (6115, 6116) | | | UNCLASSIFIED | 264593 |
| 3059 | 87629425 (6117, 6118) | Novel Protein sim. GBank gi 4588034 gb AAD25962.1 AF09287 - (AF092878) zinc RING finger protein SAG [Homo sapiens] | Contains protein domain (PF00097) - Zinc finger, C3HC4 type (RING finger) | UNCLASSIFIED | 22278995, 22278996, 22278997, 22278998, 22278999, 264490, 264259, 29331824, 29331825, 29331827, 35696052, 29331828, 285007, 60433438, 265017, 265018, 265019, 264681, 264448, 264288, 264768, 21908765, 21908766, 21908767, 21908769, 29148629, 29148784, 265022, 52644150, 18108370, 264636, 18108385, 264563, 264567 |
| 3060 | 79346691 (6119, 6120) | | | UNCLASSIFIED | 264567 |
| 3061 | 87740964 (6121, 6122) | | | UNCLASSIFIED | 264112, 52644296, 21906768, 33657023, 263974, 18108385 |
| 3062 | 87619465 (6123, 6124) | Novel Protein sim. GBank gi 4454690 gb AAD20963 - (AF070657) glutathione S-transferase subunit 13 homolog [Homo sapiens] | | transferase | 264908, 265008, 18108351, 264566 |
| 3063 | 80078023 (6125, 6126) | Novel Protein sim. GBank gi 2246532 (U93872) - ORF 73, contains large complex repeat CR 73 [Kaposi's sarcoma-associated herpesvirus] | | UNCLASSIFIED | 18108359, 264558 |
| 3064 | 91241526 (6127, 6128) | Novel Protein sim. GBank gi 4240315 db BAA74936.1 - (AB020720) KIAA0913 protein [Homo sapiens] | Contains protein domain (PF00403) - Heavy-metal-associated domain | UNCLASSIFIED | 52646355, 52646842, 55274572, 56182575, 56181688, 22278995, 22278996, 22278997, 22278999, 264259, 60432049, 29331824, 66714117, 264508, 264907, 264908, 56182435, 265009, 60432229, 60433438, 55812038, 52644296, 265018, 264682, 264288, 264686, 264768, 264687, 52644229, 264689, 21906768, 264691, 264692, 264693, 18108370, 18108377, 55811576, 264636, 56182323, 264558, 264639, 18108385, 22279000, 22279002 |
| 3065 | 91639201 (6129, 6130) | Novel Protein sim. GBank gi 5656743 gb AAD45960.1 AC00506 - (AC005067) Supported by Human EST H08032.1 (NID:g872854), mouse EST AA870042.1 (NID:g2965487), and genscan [Homo sapiens] | | UNCLASSIFIED | 22278996, 22278998, 264093, 264094, 264095, 29331824, 60424269, 66714117, 264100, 264907, 265007, 264591, 60432229, 264593, 265011, 265019, 18108351, 264766, 264767, 21906765, 21906768, 264693, 20281069, 22279000, 22279002, 264482, 264566, 264567 |

| | | | | | |
|------|-----------------------|---|--|--------------|--|
| 3066 | 91224437 (6131, 6132) | Novel Protein sim. GBank gij4884268[embjCAB43245.1] - (AL050028) hypothetical protein (Homo sapiens) | | UNCLASSIFIED | 18108397, 22278995, 56994075, 22278996, 264905, 66712502, 265006, 264512, 264910, 264758, 60174639, 264760, 18108351, 264784, 264683, 18108359, 264692, 18108364, 18108368, 18108370, 18108377, 18108379, 60170394, 264567 |
| 3067 | 95422551 (6133, 6134) | Novel Protein sim. GBank gij4689258[gb AAD27832.1 AF121855 - (AF121859) sorting nexin 9 (Homo sapiens)] | Contains protein domain (PF00787) - struct PX domain | | 264488, 264489, 35696286, 22278996, 56994075, 264259, 29331822, 29331825, 35696052, 29331828, 264508, 264905, 264509, 264906, 264907, 264908, 264909, 264112, 264510, 264511, 264512, 265008, 265009, 264910, 264591, 264592, 264593, 264594, 264757, 264595, 264596, 264758, 265010, 265011, 87168559, 264601, 264602, 264603, 264604, 264605, 265019, 264760, 264762, 264448, 264763, 264764, 264288, 264369, 264766, 264768, 264687, 264769, 264689, 21906765, 21906767, 21906768, 35695917, 265020, 265021, 264534, 52644150, 264691, 33657023, 264693, 264628, 60431528, 263977, 35695855, 264630, 264631, 264634, 264635, 264636, 264637, 264638, 264639, 83373044, 56526486, 87168518, 22279000, 22279002, 264563, 264483, 264564, 264565, 264566, 264567, 264486 |
| 3068 | 85360651 (6135, 6136) | Novel Protein sim. GBank gij3878119[embjCAA88860] - (Z49068) similar to GTP-binding protein; cDNA EST | Contains protein domain (PF01926) - struct GTPase of unknown function | | 264112 |
| 3069 | 95412753 (6137, 6138) | EMBL:M89111 comes from this gene; cDNA EST EMBL:D27709 comes from this gene; cDNA EST EMBL:D27708 comes from this gene; cDNA EST EMBL:D73788 comes from this gene; cDNA EST yk353... | | | 22278996, 56994075, 22278998, 22278999, 264259, 264107, 264905, 29331830, 52644045, 264110, 60170831, 264592, 264594, 33657402, 21906754, 33109954, 87168474, 87168559, 265017, 264448, 264764, 264683, 264766, 52644229, 21906765, 21906766, 21906768, 21906769, 60170615, 33657023, 18108370, 18108376, 264634, 264557, 60170394, 56182323, 18108385, 87168518, 22279000, 264482 |

| | | | | | |
|------|-----------------------|--|---|------------------|--|
| 3070 | 94319173 (6139, 6140) | Novel Protein sim. GBank gij3877789[embjCAB05527] - (Z83110) cDNA EST yk472b5.3 comes from this gene; cDNA EST yk474a7.3 comes from this gene; cDNA EST yk472b5.5 comes from this gene; cDNA EST yk468c10.3 comes from this gene; cDNA EST yk468c10.5 comes from this gene; cDNA EST EM... | | synthase | 264488, 22278994, 22278995, 22278996, 56994075, 22278997, 22278999, 264259, 29331822, 29147820, 29331824, 66714117, 29331826, 29146498, 29146499, 66712502, 29331830, 52644045, 56182435, 264511, 265007, 264512, 264910, 60170831, 264592, 264758, 33109954, 21906754, 87168474, 265019, 18108351, 264448, 264683, 264288, 52644229, 264689, 21906765, 21906768, 21906767, 21906769, 35695917, 265020, 265021, 60170815, 52644150, 264691, 33657023, 27486261, 27486264, 264628, 18108370, 18108377, 55811576, 35695855, 264634, 264635, 18108381, 60170394, 56182323, 264558, 83373044, 18108385, 18108387, 56526486, 264404, 264563, 264566 |
| 3071 | 94325573 (6141, 6142) | Novel Protein sim. GBank gij4502425[re]NP_001709.1pBMP6 - bone morphogenetic protein 6 precursor | Contains protein domain (PF00085) - Thioredoxin | tgf | 264488, 65274572, 18108398, 22278996, 35696286, 22278997, 22278998, 22278999, 264259, 29331822, 66714117, 29331826, 35696052, 29331828, 29146498, 29146499, 264907, 264908, 29331830, 264909, 52644045, 56182435, 265006, 265007, 264512, 265008, 265009, 60170831, 60432229, 264592, 60433356, 33657402, 60433438, 33109954, 52644296, 87168474, 265010, 265017, 264681, 264288, 264685, 264766, 264687, 264769, 264689, 21906765, 21906766, 21906767, 21906768, 21906769, 35695917, 265020, 265021, 265022, 60170615, 52644150, 264690, 264691, 264692, 33657023, 264693, 33657109, 263971, 18108374, 18108377, 35696423, 55811576, 65274791, 35695855, 264630, 264635, 264636, 264557, 60170394, 83373044, 60432113, 22279000, 22279002, 264563, 264564, 264565, 264566, 264567 |
| 3072 | 95115892 (6143, 6144) | Novel Protein sim. GBank gij1263289 (U47856) - fibroin-4 [Araneus diadematus] | | transcriptfactor | 56182575, 29331822, 29331824, 29331825, 29146498, 264908, 52644045, 56182435, 265009, 60433438, 55812038, 18108351, 264683, 264369, 52644229, 52644150, 33657023, 264693, 33657109, 18108374, 55811576, 65274791, 264555, 56182323, 60432113, 264564 |

| | | | | | |
|------|-----------------------|--|---|--------------|---|
| 3073 | 86147248 (6145, 6146) | Novel Protein sim. GBank gi134840 sp P22528 CORB_HUMAN - CORNIFIN B (SMALL PROLINE-RICH PROTEIN IB) (SPR-IB) (14.9 KD PANORNULIN) | | UNCLASSIFIED | 264769 |
| 3074 | 88089351 (6147, 6148) | Novel Protein sim. GBank gi134840 sp P22528 CORB_HUMAN - CORNIFIN B (SMALL PROLINE-RICH PROTEIN IB) (SPR-IB) (14.9 KD PANORNULIN) | | UNCLASSIFIED | 264488, 265019, 264448, 264288, 21906767, 264693, 18108368, 18108370, 18108374, 264567 |
| 3075 | 88095752 (6149, 6150) | Novel Protein sim. GBank gi14557349 ref NP_000456.1 pBARD - BRCA1 associated RING domain 1 | Contains protein domain (PF00023) - Ank repeat | homeobox | 264509, 264907, 264689, 264693, 56526486 |
| 3076 | 87819219 (6151, 6152) | | | UNCLASSIFIED | 18108398, 29331822, 29331827, 60432229, 265017, 264691, 264693 |
| 3077 | 88734277 (6153, 6154) | Novel Protein sim. GBank gi13023956 sp Q00808 HET1_PODAN - VEGETATABLE INCOMPATIBILITY PROTEIN HET-E-1 | Contains protein domain (PF00400) - WD domain, G-beta repeat | kinase | 65274572, 35696052, 264511, 60170831, 87169474, 264369, 35695917, 33657182, 27486264, 33657349, 35695763, 35695855, 264639 |
| 3078 | 88089355 (6155, 6156) | Novel Protein sim. GBank gi13900850 (AC004994) - similar to KIAA0600; similar to d1026456 (PID:g3043724) [Homo sapiens] | | | 22279002 |
| 3079 | 87821893 (6157, 6158) | Novel Protein sim. GBank gi13875410 emb CAB02876 - (Z81052) Similarity to Yeast ABC1P protein (SW:ABC1_YEAST); cDNA EST yk229g8.3 comes from this gene; cDNA EST yk229g8.5 comes from this gene [Caenorhabditis elegans] | transport | | 29331824, 29331826, 264758, 55811386, 265017, 55811150, 52644229, 21906768, 265020, 265021, 264693, 18108376, 264631, 52644332, 22279002 |
| 3080 | 95298274 (6159, 6160) | Novel Protein sim. GBank gi15257221 gb AAD41265.1 - (AF117887) protein arginine methyltransferase [Mus musculus] | interferon | | 264488, 52644507, 22278996, 22278998, 264490, 264259, 29331824, 66714117, 29331825, 29331826, 29331827, 29331828, 29146499, 264508, 264905, 264828, 52644045, 56182435, 265006, 264591, 264596, 21906754, 60174639, 265010, 264682, 264448, 264763, 264683, 264764, 264288, 264685, 264769, 264688, 264689, 21906765, 21906767, 21906769, 55811957, 35695917, 265020, 60170615, 52644150, 264692, 33657023, 264693, 65274620, 33657109, 27486261, 35695763, 264628, 18108370, 65274791, 264558, 56182323, 60170394, 264482, 264565, 264484 |
| 3081 | 88094864 (6161, 6162) | Novel Protein sim. GBank gi1728831 sp P39188 ALU1_HUMAN - !!!!! ALU SUBFAMILY J WARNING ENTRY !!!! | | UNCLASSIFIED | 18108398, 264509, 264905, 264906, 264907, 264908, 264909, 264510, 264511, 265009, 264910, 264595, 264758, 265011, 265018, 264760, 264761, 264763, 264764, 18108354, 264685, 264766, 264628, 264629, 264630, 264631, 264632, 264634, 264635, 264555, 264638, 18108382, 18108385, 264563, 264565, 264566 |
| 3082 | 80310121 (6163, 6164) | | | | 264764, 55811957, 264555, 264564 |

| | | | | |
|------|-----------------------|---|--|--|
| 3083 | 88095756 (6165, 6166) | Novel Protein sim. GBank gij1868241 (U29488) - C56C10.3 gene product [Caenorhabditis elegans] | UNCLASSIFIED | 264488, 264259, 29331824, 264106, 265008, 264591, 264592, 21906754, 264288, 264767, 21906768, 21906769, 29148784, 264691, 264632, 22279000 |
| 3084 | 87448568 (6167, 6168) | Novel Protein sim. GBank gij476774 [prijA37475 - probable structural component p38 - borna disease virus] | | 22278995, 60432289, 35696052, 264805, 264906, 264907, 264908, 264909, 265006, 265007, 264910, 264593, 264595, 264758, 264369, 264288, 264766, 35695917, 265020, 18108374, 35696423, 264631, 264556, 264565, 264566, 264567, 264486, 265011, 264681 |
| 3085 | 87795781 (6169, 6170) | Novel Protein sim. GBank gij2565057 (U80741) - CAGH44 [Homo sapiens] | UNCLASSIFIED | |
| 3086 | 87769942 (6171, 6172) | Novel Protein sim. GBank gij3894189 (AC005662) - hypothetical protein [Arabidopsis thaliana] | UNCLASSIFIED | 22278998, 264092, 264259, 29331822, 29331825, 264108, 264112, 18108351, 264687, 263967, 263974, 55810764, 263981, 18108385, 264487 |
| 3087 | 87462988 (6173, 6174) | | | 52646365, 56994075, 22278997, 22278998, 29331824, 29331825, 35696052, 60433438, 33109954, 21906754, 52646317, 265017, 264682, 264369, 264684, 21906767, 21906768, 265020, 264691, 33657023, 33657109, 52645129, 33657182, 27486262, 35695855, 87168518, 264591 |
| 3088 | 91224441 (6175, 6176) | Novel Protein sim. GBank gij3355304 (AF001549) - Unknown gene product [Homo sapiens] | UNCLASSIFIED | |
| 3089 | 95361242 (6177, 6178) | Novel Protein sim. GBank gij4689146 [gb]AAD27782.1 [AF07704 - (AF077049) lambda-crystallin [Homo sapiens] | dehydrogenase 3-hydroxyacyl-CoA dehydrogenase | 18108397, 65274572, 56182575, 56181686, 56994075, 35696286, 22278997, 22278998, 264259, 29331824, 29331825, 29331826, 29331828, 264907, 29331830, 264909, 56182435, 264510, 265007, 60170831, 60432229, 21906754, 55811386, 265017, 265018, 265019, 264760, 55811150, 264288, 264766, 56181562, 21906765, 21906766, 21906767, 21906768, 265021, 60170615, 27486262, 18108370, 60431528, 35696423, 264558, 264559, 60432113, 264486 |

| | | | | | |
|------|-----------------------|--|--|--------------|--|
| 3090 | 95342371 (6179, 6180) | Novel Protein sim. GBank gi 1354050 (U47024) - MEM3 [Mus musculus] | | UNCLASSIFIED | 60424179, 52645156, 65274572, 56182575, 56181686, 22278995, 35696286, 56994075, 22278996, 22278998, 22278999, 264259, 29331822, 56182181, 29331824, 29331825, 29331826, 29331827, 29331828, 35696052, 33656970, 264906, 264908, 52644045, 264828, 265006, 265007, 265008, 60170831, 60432229, 60433356, 33657402, 55812038, 264758, 21906754, 33109954, 52646317, 55811386, 52644296, 87168474, 265011, 87168559, 265017, 265018, 265019, 55811150, 18108351, 264681, 264448, 264288, 264369, 18108357, 264768, 52644229, 56181582, 21906764, 21906765, 21906766, 21906767, 21906768, 21906769, 35695917, 265020, 265022, 60170615, 264690, 52644150, 264691, 33657023, 18108365, 65274620, 33657109, 18108368, 33657182, 27486261, 27486265, 35695763, 18108374, 18108376, 55810764, 35696423, 55811576, 65274791, 35695855, 264557, 56182323, 83373044, 18108387, 18108388, 87168518, 22279000, 22279002, 264563, 264482 |
| 3091 | 95317424 (6181, 6182) | Novel Protein sim. GBank gi 3873932[emb]CAB01859] - (Z79596) Similarity to Bovine aspartyl beta hydroxylase (TR:G162694); cDNA EST EMBL:D27916 comes from this gene; cDNA EST EMBL:D27915 comes from this gene; cDNA EST EMBL:D64881 comes from this gene; cDNA EST EMBL:D68139 comes f... | | UNCLASSIFIED | 35696286, 29331822, 35696052, 264508, 264509, 264905, 264906, 264908, 264909, 264510, 264758, 265010, 265011, 264683, 264685, 264766, 264768, 264769, 264693, 264628, 35696423, 35695855, 264632, 264635, 264639, 264482, 264563, 264486 |

| | | | | | |
|------|-----------------------|---|--|---------------|---|
| 3092 | 95314592 (6183, 6184) | Novel Protein sim. GBank gi 1710756 sp P15880 RS2_HUMAN - 40S RIBOSOMAL PROTEIN S2 (S4) (LLREP3 PROTEIN) | Contains protein domain (PF00333) - Ribosomal protein S5 | ribosomalprot | 264488, 60424179, 18108396, 22278995, 56994075, 22278996, 35696286, 22278997, 22278998, 60432049, 264259, 29331822, 29331824, 29331825, 29331826, 29331827, 35696052, 29331828, 29146498, 29146499, 264508, 264509, 264905, 264906, 264907, 29331830, 264908, 264909, 264113, 264510, 264511, 265006, 264512, 265007, 265008, 264910, 265009, 60170831, 264591, 264592, 60431735, 264593, 264594, 60433438, 264595, 264758, 21906754, 265010, 265011, 264601, 264602, 265017, 264603, 264604, 265018, 264605, 265019, 264760, 264762, 264681, 18108351, 264763, 264682, 264448, 264764, 264683, 264288, 264369, 264765, 264766, 264686, 264767, 264687, 264768, 264769, 264688, 21906764, 264689, 21906765, 21906766, 21906767, 21906768, 21906769, 29148629, 29148784, 35695917, 265020, 265021, 264534, 60170615, 264690, 264691, 264692, 65274620, 33657109, 27486262, 264628, 264629, 18108374, 263978, 18108377, 35696423, 264630, 264631, 264632, 264634, 264635, 264555, 264636, 264637, 264556, 264638, 264557, 264558, 264639, 60170394, 18108385, 264259, 29331824, 35696052, 264905, 265006, 60432229, 60431735, 264684, 264369, 264288, 264766, 21906767, 35696423, 83373044, 18108385 |
| 3093 | 94318457 (6185, 6186) | Novel Protein sim. GBank gi 5002587 emb CAB44347.1 - (Y17454) LSFR1 protein [Homo sapiens] | UNCLASSIFIED | | |
| 3094 | 94316675 (6187, 6188) | Novel Protein sim. GBank gi 400734 sp P31044 PBP_RAT - PHOSPHATIDYLETHANOLAMINE-BINDING PROTEIN (23 KD MORPHINE-BINDING PROTEIN) (P23K) | Contains protein domain (PF01161) - Phosphatidylethanolamine-binding protein | collagen | 18108398, 264259, 60432289, 29331827, 264511, 264763, 264288, 264767, 265022, 264691, 264693, 65274791, 56182323, 264564, 264565 |

| | | | | | |
|------|-----------------------|--|--|--------------|---|
| 3095 | 94848162 (6189, 6190) | Novel Protein sim. GBank gi 4877759 gb AAD31421.1 AF12444 - (AF124440) MAGE tumor antigen D1 [Homo sapiens] | Contains protein domain (PF01454) - MAGE family | UNCLASSIFIED | 18108397, 56182575, 22278995, 35686286, 56994075, 22278997, 22278999, 264259, 60432049, 66714117, 29331825, 60432289, 35696052, 33656970, 29146499, 264508, 264905, 264509, 29331830, 264909, 264510, 264511, 264512, 265007, 265008, 265009, 60170831, 264758, 21906754, 85658542, 265010, 265011, 87188559, 265017, 265018, 265019, 264760, 264681, 264682, 264683, 264764, 264369, 264288, 264686, 264768, 264769, 264689, 21906765, 21906766, 21906767, 55811957, 35695917, 265020, 265021, 265022, 52644150, 264691, 264692, 33657023, 264693, 263972, 18108376, 55811576, 35696423, 264952, 60170394, 264639, 83373044, 18108385, 18108387, 65274727, 87168518, 60432113, 264482, 264563, 264564, 264566, 264487, 18108391, 22278995, 22278996, 22278997, 22278999, 29331824, 29331825, 29331826, 29331827, 33658970, 264905, 264908, 265008, 264910, 33657402, 265011, 265017, 265018, 264369, 21906766, 21906767, 21906768, 35695917, 265020, 60170615, 264691, 264692, 264693, 27486261, 27486262, 18108370, 60431528, 264634, 264636, 264639, 22279000, 264566, 264488, 29331822, 29331825, 60432289, 29331826, 35696052, 29331828, 29331830, 264594, 55812038, 33109954, 33657084, 87168474, 87168559, 52644229, 21906765, 21906767, 18108376, 35696423, 52644332, 264638, 60432113, 22279002 |
| 3096 | 87756128 (6191, 6192) | Novel Protein sim. GBank gi 3882221 dbj BAA34470.1 - (AB018293) KIAA0750 protein [Homo sapiens] | Contains protein domain (PF00307) - Calponin homology (CH) domain | struct | |
| 3097 | 88264895 (6193, 6194) | Novel Protein sim. GBank gi 4468288 emb CAB37981 - (AL022395) dJ273N12.1 (PUTATIVE protein based on EST matches) [Homo sapiens] | Contains protein domain (PF00646) - F-box domain. | UNCLASSIFIED | |
| 3098 | 80258024 (6195, 6196) | Novel Protein sim. GBank gi 303603 dbj BAA02145.1 - (D12621) cytochrome P-450L TBV [Homo sapiens] | | | |
| 3099 | 91243325 (6197, 6198) | | | cyto450 | 264634, 264637, 264565 264488, 35696286, 29331822, 29331824, 29331825, 29331827, 265007, 265008, 265010, 265011, 265018, 265019, 18108357, 21906766, 265020, 265022, 55811576, |
| 3100 | 87602421 (6199, 6200) | Novel Protein sim. GBank gi 1083764 pir B48013 - proline- rich proteoglycan 2 precursor, parotid - rat | | UNCLASSIFIED | 56182323, 22279002, 264563 29331825, 60432289, 35696052, 264910, 60432229, 264592, 264288, 264693, 263967, 264635 |
| 3101 | 79602134 (6201, 6202) | | | UNCLASSIFIED | 264908, 264693, 264628, 264630, 264632 |

| | | | | | |
|------|-----------------------|--|--|--------------|--|
| 3102 | 91220892 (6203, 6204) | Novel Protein sim. GBank gi 5305706 gb AAD41781.1 AF12853 - (AF128536) cytoplasmic phosphoprotein PACSIN2 [Homo sapiens] | Contains protein domain (PF00018) - SH3 domain | UNCLASSIFIED | 35696286, 22278996, 22278999, 29331827, 35696052, 264909, 264512, 265008, 60170831, 60433356, 33109954, 18108351, 264684, 264689, 21906767, 60170615, 264692, 33657023, 264638, 22279000, 264482, 264564 |
| 3103 | 90938004 (6205, 6206) | Novel Protein sim. GBank gi 484564 sp P35292 RB17_MOUSE - RAS-RELATED PROTEIN RAB-17 | UNCLASSIFIED | UNCLASSIFIED | 35695917, 264565 |
| 3104 | 87340633 (6207, 6208) | Novel Protein sim. GBank gi 50322207 ref NP_005696.1 pTSSC - tumor-suppressing STF cDNA 6 | UNCLASSIFIED | UNCLASSIFIED | 264259, 264684, 264532, 33657182, 264558 |
| 3105 | 94148603 (6209, 6210) | | | | 22278997, 264259, 29331824, 35696052, 29331828, 264508, 264509, 264905, 264906, 264907, 264908, 264511, 264910, 264591, 264594, 264758, 264760, 264681, 264762, 264764, 264288, 264766, 264768, 264687, 264769, 21906766, 21906768, 35695917, 33657023, 264692, 264693, 264628, 264629, 35695855, 264630, 264631, 264632, 264634, 264635, 264637, 264638, 264639, 83373044, 264404, 22279002, 264563, 264565, 264566, 264486, 264567 |
| 3106 | 95361416 (6211, 6212) | Novel Protein sim. GBank gi 1938574 (U97190) - B0025.2 gene product [Caenorhabditis elegans] | | | 22278996, 22278997, 22278998, 22278999, 264092, 264093, 264094, 29331822, 264906, 264907, 264908, 52644045, 56182435, 264112, 265008, 265009, 55812038, 265017, 265018, 264683, 264686, 264687, 264768, 52644229, 21906765, 21906768, 21906769, 55811957, 265020, 265022, 264690, 52644150, 264692, 264693, 18108370, 18108377, 55811576, 56182323, 18108385, 18108388, 22279000, 264563 |
| 3107 | 95343272 (6213, 6214) | Novel Protein sim. GBank gi 334144 emb CAA76851 - (Y17794) winged-helix transcription factor [Gallus gallus] | | | 22278995, 22278996, 35696286, 22278997, 22278999, 264091, 264093, 264259, 29331822, 29331825, 29331826, 60432289, 29331827, 29331828, 33656970, 264105, 264512, 265009, 60433356, 60433438, 265011, 265017, 265018, 21906765, 21906766, 21906767, 21906769, 265021, 264691, 33657109, 27486261, 27486265, 18108370, 263972, 18108374, 55811576, 18108385, 56526486, 264482, 264487 |
| 3108 | 87340635 (6215, 6216) | Novel Protein sim. GBank gi 50322207 ref NP_005696.1 pTSSC - tumor-suppressing STF cDNA 6 | UNCLASSIFIED | UNCLASSIFIED | 56182435, 264288, 264690, 264564 |

| | | | | | |
|------|-----------------------|--|--|------------------|--|
| 3109 | 94318461 (6217, 6218) | Novel Protein sim. GBank gij5002567[emb]CAB44347.1] - (Y17454) LSF1 protein [Homo sapiens] | Contains protein domain (PF00096) - Zinc finger, C2H2 type | struct | 264490, 264908, 265007, 264910, 264593, 264883, 264684, 264687, 21906767, 21906768, 264693, 18108370, 264629, 18108374, 264632, 264638, 22279000 |
| 3110 | 95090716 (6218, 6220) | Novel Protein sim. GBank gij1076211[prj]S50755 - hypothetical protein VSP-3 - Chlamydomonas reinhardtii | | UNCLASSIFIED | 264488, 65274572, 22278995, 22278997, 60432049, 264259, 29331822, 29331824, 29331825, 60432289, 29331826, 29331827, 29331828, 264906, 264510, 265006, 265007, 265008, 265009, 60432229, 33657402, 60433356, 265011, 87168559, 264600, 265017, 265018, 265019, 18108351, 264288, 264369, 21906766, 21906767, 21906768, 265020, 60170615, 264693, 65274820, 18108370, 264639, 18108384, 22279000, 264563, 18108390 |
| 3111 | 87754512 (6221, 6222) | Novel Protein sim. GBank gij3282231 (U75454) - C2H2 type zinc finger protein [Homo sapiens] | Contains protein domain (PF00096) - Zinc finger, C2H2 type | transcriptfactor | 264488, 18108398, 66712502, 265017, 265018, 265019, 264448, 21906767, 265020, 33657023, 18108365, 18108368, 35696423, 52644332, 18108385, 18108388 |
| 3112 | 88043639 (6223, 6224) | Novel Protein sim. GBank gij3900848 (AC005023) - match to EST AA361117 (NID: g2013436) [Homo sapiens] | Contains protein domain (PF00046) - Homeobox domain | homeobox | |
| 3113 | 88207098 (6225, 6226) | Novel Protein sim. GBank gij2459910 (AF005856) - anon2A5 [Drosophila yakuba] | | tm7 | 18108397, 22278999, 264259, 29331824, 35696052, 264907, 264757, 60433438, 87168559, 264763, 264448, 18108354, 264288, 21906767, 21906769, 35695917, 264690, 264691, 264692, 264693, 18108365, 18108361, 18108384, 18108385, 18108388, 87168518, 22279000, 22279002 |
| 3114 | 79843167 (6227, 6228) | Novel Protein sim. GBank gij4966270[gb]AAB52261.2] - (U97002) similar to acyl-CoA dehydrogenases and epoxide hydrolases; Pfam domain PF00441 (Acyl-CoA_dh). Score=57.4, E-value=1.7e-16, N=2; contains similarity to Pfam domain PF00702 (Hydrolase), Score=57.4, E-value=1e-13, N=1 IC... | Contains protein domain (PF00702) - haloacid dehalogenase-like hydrolase | hydrolase | |
| 3115 | 94117996 (6229, 6230) | Novel Protein sim. GBank gij5032225[ref]NP_005676.1pWBSC - Williams-Beuren syndrome chromosome region 11 | | transcriptfactor | 60424179, 56182575, 264259, 29331824, 60424269, 29331826, 66712502, 264510, 265007, 60431735, 60433356, 55812038, 55811386, 265019, 264288, 264689, 21906769, 264691, 33657023, 264693, 60431528, 263974, 60431850, 56182323, 264559, 22279000, 22279002 |
| 3116 | 79642855 (6231, 6232) | | | UNCLASSIFIED | 264905, 264758, 21906764, 264690 |
| 3117 | 87771288 (6233, 6234) | | | UNCLASSIFIED | 264510, 265011, 18108351, 264288, 264689, 264691, 18108368, 18108372, 263981, 264558, 264564 |

| | | | | |
|------|-----------------------|--|--|--|
| 3118 | 94665848 (6235, 6236) | Novel Protein sim. GBank gij3880563[emb]CAB01444.1] - (Z78018) predicted using GeneFinder; similar to serine/threonine kinase; cDNA EST yk353d10.5 comes from this gene [Caenorhabditis elegans] | Contains protein domain (PF00008) - Igf EGF-like domain | 52645156, 52646842, 65274572, 56182575, 22278995, 56994075, 22278996, 35696286, 22278997, 22278998, 22278999, 264259, 29331822, 29331824, 66714117, 29331826, 29331827, 35696052, 29331828, 264905, 264908, 29331830, 52644045, 56182435, 264510, 264511, 265007, 265008, 265009, 264757, 52646317, 21906754, 33657084, 52644298, 87168474, 87168559, 265017, 265018, 264605, 265019, 264762, 264448, 264882, 264884, 264288, 264786, 56181562, 21906765, 21906766, 21906768, 21906769, 265020, 265022, 264690, 52644150, 264691, 33657023, 264693, 33657109, 33657349, 264628, 18108370, 60431528, 18108374, 35696423, 65274791, 60170394, 83373044, 87168518, 22279000, 22279002, 264486, 265006, 264288 |
| 3119 | 85728796 (6237, 6238) | | Contains protein domain (PF00328) - Histidine acid phosphatase | |
| 3120 | 87344040 (6239, 6240) | Novel Protein sim. GBank gij5019819[gb]AAD37863.1[AF14315] - (AF143152) putative NADH oxidoreductase complex I subunit [Caenorhabditis elegans] | UNCLASSIFIED | 264488, 264509, 264510, 264511, 264512, 264288, 264486 |
| 3121 | 94110735 (6241, 6242) | Novel Protein sim. GBank gij450187[ref]NP_001088.1[apACR] - acrosin | | 52644507, 52645156, 52646365, 52646842, 22278994, 56994075, 22278996, 22278999, 264259, 29331824, 29331827, 35696052, 52644045, 265008, 52646317, 87168474, 87168559, 21906765, 52644150, 33657023, 18108374, 264637 |
| 3122 | 11814528 (6243, 6244) | | UNCLASSIFIED | 264638 |
| 3123 | 88083003 (6245, 6246) | Novel Protein sim. GBank gij2439517 (AC002563) - putative RHO/RAC effector protein; 95% similarity to P49205 (PID:g1345860) [Homo sapiens] | Contains protein domain (PF00780) - CNH domain | 18108392, 29331822, 29331824, 29331825, 264905, 265007, 55812038, 265019, 18108351, 264682, 264288, 264766, 21906764, 21906765, 21906768, 21906769, 55811957, 18108365, 18108366, 27486265, 18108374, 18108381, 18108384, 22279000, 22279002, 264482 |
| 3124 | 87786899 (6247, 6248) | | UNCLASSIFIED | 264905 |
| 3125 | 91216607 (6249, 6250) | Novel Protein sim. GBank gij4980826[gb]AAD35412.1[AE00171] - (AE001714) oxidoreductase, short chain dehydrogenase/reductase family [Thermotoga maritima] | Contains protein domain (PF00106) - short chain dehydrogenase | 56181686, 264259, 66714117, 60432289, 29331826, 29331827, 264907, 264908, 264828, 265009, 60433356, 33657402, 60433438, 264758, 18108351, 264288, 29148627, 29148629, 33657023, 33657109, 18108382, 56526486 |

| | | | | | | |
|------|-----------------------|--|---|--------------|--------------|--|
| 3126 | 95337205 (6251, 6252) | | | | UNCLASSIFIED | 22278999, 264490, 264259, 60432049, 29331822, 60432289, 29146498, 52644045, 56182435, 265009, 60433438, 265010, 87168559, 265017, 265018, 55811150, 264763, 264683, 264369, 264685, 29148629, 33657023, 264693, 33657109, 18108374, 55811576, 18108385, 60432113, 22279002, 35696286, 22278996, 22278999, 29331826, 264908, 60433438, 87168559, 264604, 21908765, 21908769, 33657023, 33657349, 264629, 18108374, 18108377, 22279000, 22279002 |
| 3127 | 91639233 (6253, 6254) | Novel Protein sim. GBank gjl2828280[emb]CAA16694.1] - (AL021687) putative protein [Arabidopsis thaliana] | | | | |
| 3128 | 87674330 (6255, 6256) | Novel Protein sim. GBank gjl3885828 (AF090133) - lin-7-A [Rattus norvegicus] | Contains protein domain (PF00595) - PDZ domain (Also known as DHR or GLGF). | misc_channel | | 22278996, 264259, 52644045, 265008, 21906754, 265017, 265018, 21906768, 18108376, 18108387, 22279000, 22279002 |
| 3129 | 87755412 (6257, 6258) | Novel Protein sim. GBank gjl3135273 (AC003058) - hypothetical protein [Arabidopsis thaliana] | Contains protein domain (PF00400) - WD domain, G-beta repeat | kinase | | 56182575, 264259, 29331825, 29331828, 52644045, 56182435, 60433356, 264600, 264682, 264763, 264764, 264369, 264288, 264686, 55811957, 264692, 33657023, 33657109, 60432113, 264564, 264566, 264636 |
| 3130 | 14993860 (6259, 6260) | Novel Protein sim. GBank gjl3329465 (AF084553) - NSD1 protein [Mus musculus] | | | | |
| 3131 | 95351469 (6261, 6262) | Novel Protein sim. GBank gjl1848277 (U86136) - telomerase-associated protein TP-1 [Homo sapiens] | Contains protein domain (PF00400) - WD domain, G-beta repeat | UNCLASSIFIED | | 56182575, 264259, 29331824, 264907, 56182435, 264594, 60433438, 55812038, 33109954, 21906754, 33657084, 87168474, 264448, 264766, 21906769, 55811957, 265020, 265021, 265022, 60170615, 33657023, 33657109, 33657182, 27486261, 33657349, 65274791, 60170394, 56182323, 83373044, 87168518, 264564 |

| | | | | | |
|------|-----------------------|--|---|--------------|---|
| 3132 | 95415459 (6263, 6264) | Novel Protein sim. GBank gi 4680647 gb AAD27713.1 AF13293 - (AF132938) CGI-03 protein [Homo sapiens] | Contains protein domain (PF00789) - UBX domain | ubiquitin | 52644507, 52646842, 52646365, 65274572, 56182575, 22278994, 22278995, 35696286, 5994075, 22278996, 22278997, 22278998, 22278999, 60432049, 52645080, 29331822, 29331824, 29331825, 60432289, 29331826, 29331827, 29331828, 35696052, 264508, 52644045, 56182435, 264910, 60170831, 60432229, 60433356, 33657402, 55812038, 52646317, 21908754, 52644296, 85658542, 87168559, 265017, 265018, 265019, 264448, 264288, 264369, 52644229, 21906765, 21906766, 21906767, 21906768, 21906769, 35695917, 265020, 265021, 60170615, 52644150, 264692, 33657023, 52645129, 33657109, 33657182, 27486261, 27486262, 27486265, 33657349, 35695763, 18108374, 18108376, 55811578, 35695855, 18108385, 18108387, 56526486, 87168518, 60432113, 22279002 |
| 3133 | 87379414 (6265, 6266) | Novel Protein sim. GBank gi 4507613 ref NP_003738.1 pTNKS - TANKYRASE | | polymerase | 22278994, 22278998, 264905, 265006, 265007, 87168559, 264760, 21906767, 18108374, 22279000, 22279002, 264563 264595, 264369, 264685, 264628, 264566 |
| 3134 | 94649816 (6267, 6268) | Novel Protein sim. GBank gi 1729827 sp P54633 TALA_DICDI - FILOPODIN (TALIN HOMOLOG) | | | |
| 3135 | 86389358 (6269, 6270) | Novel Protein sim. GBank gi 30933478 (AF012927) - fibrinogen-binding protein [Streptococcus equi] | | struct | 22278998, 264095, 29331826, 33657402, 18108348, 263974 |
| 3136 | 94845839 (6271, 6272) | Novel Protein sim. GBank gi 627101 pir S44092 - probable carrier protein c2 - Caenorhabditis elegans | Contains protein domain (PF00153) - Mitochondrial carrier proteins | transport | 22278998, 264259, 264828, 265006, 265008, 60433438, 265019, 264764, 264288, 264769, 264689, 265020, 27486262, 263972, 65274791, 264557, 264558 |
| 3137 | 88257847 (6273, 6274) | Novel Protein sim. GBank gi 3342730 (AC005331) - R31341_1 [Homo sapiens] | | UNCLASSIFIED | 22278995, 22278996, 22278997, 22278998, 22278999, 264259, 29331822, 29331825, 29331826, 29331827, 29331828, 264510, 265008, 21906754, 87168474, 265011, 87168559, 265017, 265018, 265019, 18108351, 264682, 264769, 21906765, 21906766, 21906767, 21906769, 55811957, 35695917, 265020, 265021, 52644150, 18108370, 18108374, 22279000, 22279002, 264482, 264486 |

| | | | | | |
|------|-----------------------|--|--------------|--|--|
| 3138 | 94130186 (6275, 6276) | Novel Protein sim. GBank gjl4406759[gj]AAD20070] - (AC006836) hypothetical protein [Arabidopsis thaliana] | | | 264569, 264488, 264907, 264511, 264593, 33109954, 87168559, 264681, 264684, 264685, 264686, 264687, 264768, 264688, 264689, 264691, 264692, 264693, 33657109, 264631, 264634, 264635, 264636, 264637, 60170394, 83373044, 18108385, 18108388, 60432113, 22279000, 22279002 |
| 3139 | 87325503 (6277, 6278) | Novel Protein sim. GBank gjl228938[prf]1814452C - Hyp-rich glycoprotein [Zea diploperennis] | UNCLASSIFIED | | 22278997, 22278998, 22278999, 264905, 265018, 265019, 21906765, 265020, 264636, 264557 |
| 3140 | 91222692 (6279, 6280) | Novel Protein sim. GBank gjl932[emb]CAA37773] - (X53744) 68KDA subunit of signal recognition particle [Canis familiaris] | sinuct | | 22278995, 56994075, 35696286, 264908, 264909, 60433356, 21906754, 2644296, 87168474, 87168559, 264683, 264288, 264685, 264686, 265022, 264693, 27486262, 35695855, 264630, 264555, 264566 |
| 3141 | 87323564 (6281, 6282) | Novel Protein sim. GBank gjl3213227 (AF035209) - putative v-SNARE Vti1a [Mus musculus] | UNCLASSIFIED | | 56182575, 35696286, 29331828, 264909, 265009, 265018, 18108351, 264369, 21906766, 29148627, 265020, 264628, 264629, 264631, 18108355 |
| 3142 | 95419028 (6283, 6284) | Novel Protein sim. GBank gjl2498197[sp]Q95245[C561_PIG - CYTOCHROME B561 (CYTOCHROME B-561)] | cytochrome | | 52645156, 52646365, 22278995, 35696286, 22278998, 22278999, 60432049, 264259, 29331822, 29331824, 29331827, 29146499, 56182435, 285007, 60170831, 60432229, 33657402, 264595, 60433438, 264758, 21906754, 264288, 264766, 264687, 52644229, 21906765, 21906767, 21906768, 60170815, 52644150, 65274620, 33657109, 35695763, 18108370, 18108376, 65274791, 35695855, 264631, 264557, 87168518, 60432113, 22279000 |
| 3143 | 95351475 (6285, 6286) | Novel Protein sim. GBank gjl5420387[emb]CAB46679.1] - (AJ243459) proteophosphoglycan [Leishmania major] | UNCLASSIFIED | | 264488, 56182575, 22278996, 22278998, 22278999, 29331822, 29331824, 60432289, 35696052, 29331828, 264508, 264905, 264906, 264907, 264908, 264909, 52644045, 56182435, 264511, 264512, 265008, 264910, 60432229, 33657402, 60433356, 60433438, 55812038, 265011, 265019, 264760, 264763, 264448, 264764, 264684, 264288, 264685, 264686, 264768, 264689, 21906765, 21906766, 21906767, 21906769, 35695917, 264690, 33657023, 264693, 263967, 33657109, 264628, 264629, 18108374, 263976, 55811576, 35695855, 264630, 264631, 264632, 264634, 264635, 264636, 264637, 264558, 87168518, 60432113, 22279000, 22279002, 264563, 264566, 264486 |

| | | | | | |
|------|-----------------------|---|--|--------------|--|
| 3144 | 95336329 (6287, 6288) | Novel Protein sim. GBank gij4884468[emb]CAB3322.1] - (AL050225) hypothetical protein [Homo sapiens] | | | 264488, 18108396, 22278996, 35696286, 22278997, 29331826, 29331827, 35696052, 29331828, 264106, 265006, 265007, 265009, 33657402, 85658542, 265011, 18108351, 284448, 264369, 21906765, 21906766, 21906767, 265020, 265021, 52644150, 27486261, 18108370, 18108374, 35696423, 56182323, 83373044, 22279000, 22279002, 264567 |
| 3145 | 86611657 (6289, 6290) | Novel Protein sim. GBank gij3879709[emb]CAB03330] - (Z81118) Similarly to Human endosomal protein P162 (TR:Q15075); cDNA EST EMBL:Z14487 comes from this gene; cDNA EST EMBL:Z14556 comes from this gene; cDNA EST EMBL:D27011 comes from this gene; cDNA EST EMBL:D27015 comes from l... | | UNCLASSIFIED | 18108397, 29331824, 29146499, 20281100, 265006, 55812038, 265010, 21906766, 29148627, 21906769, 29148784, 264692, 33657023, 33657109, 35695763, 263981, 56182323, 87168518 |
| 3146 | 87756314 (6291, 6292) | Novel Protein sim. GBank gij2135746[pir]S69890 - mitogen inducible gene mig-2 - human | Contains protein domain (PF00169) - PH domain | struct | 264259, 29331826, 29331828, 29331830, 264510, 264511, 265007, 265009, 264600, 265017, 18108351, 264448, 264369, 21906766, 265021, 264692, 33657109, 18108374, 35696423, 35695855, 60432113, 264564 |
| 3147 | 94848512 (6293, 6294) | Novel Protein sim. GBank gij3874279[emb]CAB07315.1] - (Z92825) predicted using Genefinder; cDNA EST yk315e12.3 comes from this gene; cDNA EST yk315e12.5 comes from this gene [Caenorhabditis elegans] | Contains protein domain (PF00702) - haloacid dehalogenase-like hydrolase | UNCLASSIFIED | 56181686, 35696286, 60432049, 264259, 56182181, 29331825, 60432289, 35696052, 56182435, 265008, 264910, 60431735, 60433356, 60433438, 265010, 264448, 264288, 265022, 33657023, 33657109, 60431528, 65274791, 264631, 56182323, 264404, 22279002 |
| 3148 | 95362169 (6295, 6296) | Novel Protein sim. GBank gij5225322[gb]AAD40851.1]AF08310 - (AF083108) sirtuin type 3 [Homo sapiens] | | UNCLASSIFIED | 35696286, 35696052, 264511, 85658542, 87168474, 264764, 35696423, 264555, 264556, 264557, 264558, 83373044, 56526486, 60432113 |
| 3149 | 95308548 (6297, 6298) | Novel Protein sim. GBank gij4200446 (AF102777) - FYVE finger-containing phosphoinositide kinase [Mus musculus] | Contains protein domain (PF01363) - FYVE zinc finger | leph | 29331822, 35696052, 264109, 29148629, 18108381 |
| 3150 | 87655472 (6299, 6300) | Novel Protein sim. GBank gij3378454[emb]CAA76893] - (Y17850) ganglioside-induced differentiation associated protein 1 [Mus musculus] | Contains protein domain (PF00043) - Glutathione S-transferases. | transferase | 264259, 29331822, 29331824, 29331825, 29331827, 52646317, 264686, 35695855, 56182323, 264639 |
| 3151 | 87772355 (6301, 6302) | Novel Protein sim. GBank gij172591 (M63577) - SFP1 [Saccharomyces cerevisiae] | Contains protein domain (PF00096) - Zinc finger, C2H2 type | oncogene | 29331822, 265008 |
| 3152 | 85698108 (6303, 6304) | | | UNCLASSIFIED | 21906754, 87168559, 264605, 21906768, 52644150, 27486264, 35696423, 22279000 |

| | | | | | |
|------|-----------------------|---|---|--|--|
| 3153 | 95317299 (6305, 6306) | Novel Protein sim. GBank gi 4895041 gb AAD32705.1 AF14395 - (AF143957) coronin-3 [Mus musculus] | Contains protein domain (PF00400) - struct WD domain, G-beta repeat | | 264488, 52646365, 35696286, 22278996, 22278997, 22278999, 60432049, 264259, 29331826, 60432289, 33656970, 264508, 264908, 33657402, 264595, 60433438, 87168474, 87168559, 264601, 265019, 264448, 264682, 264764, 264288, 264369, 264768, 21906765, 21906766, 21906767, 21906768, 21906769, 29148784, 265021, 265022, 60170615, 52644150, 264690, 264691, 33657023, 65274620, 33657109, 18108370, 35695855, 264638, 60170394, 87168518, 60432113, 22279000, 22279002, 22278998, 264259, 29331824, 66712502, 265008, 265010, 265017, 18108354, 264691, 33657023, 264693, 20281149, 18108374, 29331828, 264509, 264905, 264908, 264510, 264511, 264512, 33657402, 264681, 264683, 33657023, 18108370, 264634, 264639, 18108385, 264563, 264488 |
| 3154 | 87718573 (6307, 6308) | Novel Protein sim. GBank gi 4680661 gb AAD27720.1 AF13294 - (AF132945) CGI-11 protein [Homo sapiens] | ATPase-associated | | 56182575, 22278996, 22278997, 22278998, 22278999, 60432049, 264259, 29331822, 29331824, 66714117, 29331825, 29331826, 29331827, 35696052, 52644045, 265007, 265009, 60170831, 60432229, 60433356, 21906754, 33109954, 87168474, 265010, 265017, 265018, 265019, 18108351, 264448, 264288, 264689, 21906766, 21906768, 21906769, 35695917, 265020, 265022, 264692, 18108370, 35696423, 56182323, 22279002 |
| 3155 | 87762394 (6309, 6310) | Novel Protein sim. GBank gi 728837 sp P39194 ALU7_HUMAN - IIII ALU SUBFAMILY SQ WARNING ENTRY IIII | UNCLASSIFIED | | 18108396, 264259, 29331826, 35696052, 29146498, 87168559, 265017, 264448, 264288, 264691, 18108366, 52645129, 35696423, 52644332, 264488, 263974 |
| 3156 | 87737449 (6311, 6312) | Novel Protein sim. GBank gi 5830078 gb AAD45821.1 AC00601 - (AC006017) N-acetyl galactosaminyltransferase; similar to Q10473 (PID:g1709559) [Homo sapiens] | transferase Contains protein domain (PF00652) - Similarity to lectin domain of ricin beta-chain, 3 copies. | | 56182575, 22278996, 22278997, 22278998, 22278999, 60432049, 264259, 29331822, 29331824, 66714117, 29331825, 29331826, 29331827, 35696052, 52644045, 265007, 265009, 60170831, 60432229, 60433356, 21906754, 33109954, 87168474, 265010, 265017, 265018, 265019, 18108351, 264448, 264288, 264689, 21906766, 21906768, 21906769, 35695917, 265020, 265022, 264692, 18108370, 35696423, 56182323, 22279002 |
| 3157 | 88259577 (6313, 6314) | | Contains protein domain (PF00023) - Ank repeat | | 18108396, 264259, 29331826, 35696052, 29146498, 87168559, 265017, 264448, 264288, 264691, 18108366, 52645129, 35696423, 52644332, 264488, 263974 |
| 3158 | 80034118 (6315, 6316) | Novel Protein sim. GBank gi 5306084 gb AAD41895.1 AF15677 - (AF156778) ASB-3 protein [Homo sapiens] | kinase | | |
| 3159 | 94124114 (6317, 6318) | Novel Protein sim. GBank gi 5531272 emb CAB50897.1 - (AJ243800) WSC4 homologue [Kluyveromyces fragilis] | UNCLASSIFIED | | 56182575, 22278999, 29331824, 264106, 60433356, 264758, 265011, 87168559, 264448, 18108354, 264768, 21906768, 265020, 264691, 264692, 33657109, 18108374, 35696423, 264555, 60170394, 22279000 |
| 3160 | 80221068 (6319, 6320) | Novel Protein sim. GBank gi 3930525 (AF064447) - sex-determination protein homolog Fem1a [Mus musculus] | Contains protein domain (PF00023) - Ank repeat | | 18108351, 264555, 264556, 264557, 264558, 264559 |

| | | | | | |
|------|-----------------------|--|--|--|--|
| 3161 | 88074111 (6321, 6322) | | | | 264488, 22278995, 22278997, 22278998, 264259, 29331822, 60432289, 29331828, 52644045, 265017, 265018, 264448, 264288, 21908764, 21908767, 265020, 18108374, 264636, 264568 |
|------|-----------------------|--|--|--|--|

Table 2

| Tissue ID | Tissue Name | Tissue Information | Disease Association |
|-----------|-------------------------------|--------------------------------|---|
| 20281069 | 192xN | Protein-protein Interactions | Any |
| 20281071 | 192xN | Protein-protein Interactions | Any |
| 20281149 | 192xN | Protein-protein Interactions | Any |
| 20281152 | 192xN | Protein-protein Interactions | Any |
| 264111 | 276xN | Protein-protein Interactions | Any |
| 264112 | 276xN | Protein-protein Interactions | Any |
| 263966 | 384xN | Protein-protein Interactions | Any |
| 263967 | 384xN | Protein-protein Interactions | Any |
| 264110 | 552xN | Protein-protein Interactions | Any |
| 18108379 | SPH 52.1 (Adrenal Gland) | Adrenal Gland/Suprarenal gland | Adrenoleukodystrophy , Congenital Adrenal Hyperplasia, |
| 18108381 | SPH 52.2 (Fetal Lung) | Fetal Lung | Cystic Fibrosis, infection, lung cancer |
| 18108383 | SPH 52.3 (B's Lymphoma- Raji) | Lymphoma derived from B cells | Blood cancers, hematopoiesis, leukemia |
| 18108368 | SPH 52.5 (Salivary Gland) | Salivary Gland | Dry mouth, infection |
| 18108384 | SPH 52.6 (Brain- Thalamus) | Thalamus | Brain cancer, head injury, obesity, neurological disorders, neuropsychiatric disorders |
| 18108394 | SPH 53.1 (Adrenal Gland) | Adrenal Gland/Suprarenal gland | Adrenoleukodystrophy , Congenital Adrenal Hyperplasia, |
| 18108355 | SPH 53.2 (Fetal Lung) | Fetal Lung | Cystic Fibrosis, infection, lung cancer |
| 18108359 | SPH 53.3 (B's Lymphoma- Raji) | Lymphoma derived from B cells | Blood cancers, hematopoiesis, leukemia |
| 18108361 | SPH 53.4 (Mammary Gland) | Mammary Gland | Lactation disorders, breast cancer |
| 18108362 | SPH 53.5 (Salivary Gland) | Salivary Gland | Dry mouth, infection |
| 18108366 | SPH 53.6 (Brain- Thalamus) | Thalamus | Brain cancer, head injury, obesity, neurological disorders, neuropsychiatric disorders |
| 18108354 | SPH 54.1 (Adrenal Gland) | Adrenal Gland/Suprarenal gland | Adrenoleukodystrophy , Congenital Adrenal Hyperplasia, |
| 18108392 | SPH 54.2 (Fetal Lung) | Fetal Lung | Cystic Fibrosis, infection, lung cancer |
| 18108348 | SPH 54.3 (B's Lymphoma- Raji) | Lymphoma derived from B cells | Blood cancers, hematopoiesis, leukemia |
| 18108382 | SPH 54.4 (Mammary Gland) | Mammary Gland | Lactation disorders, breast cancer |
| 18108395 | SPH 54.5 (Salivary Gland) | Salivary Gland | Dry mouth, infection |
| 18108365 | SPH 54.6 (Brain- Thalamus) | Thalamus | Brain cancer, head injury, obesity, neurological disorders, neuropsychiatric disorders |
| 18108397 | SPH 55.1 (Adrenal Gland) | Adrenal Gland/Suprarenal gland | Adrenoleukodystrophy , Congenital Adrenal Hyperplasia, |
| 18108398 | SPH 55.2 (Fetal Lung) | Fetal Lung | Cystic Fibrosis, infection, lung cancer |
| 18108364 | SPH 55.3 (B's Lymphoma- Raji) | Lymphoma derived from B cells | |
| 18108388 | SPH 55.4 (Mammary Gland) | Mammary Gland | Lactation disorders, breast cancer |
| 18108358 | SPH 55.5 (Salivary Gland) | Salivary Gland | Dry mouth, infection |
| 20281099 | SPH 56.2 (MG63) | | |
| 20281100 | SPH 56.3 (U1SMC) | | |
| 264404 | SPH.1 (Brain) | Whole Brain | Von Hippel-Lindau (VHL) syndrome , Alzheimer's disease, Stroke, Tuberous sclerosis, hypercalcaemia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection |

| | | | |
|--------|--|--------------------------|--|
| 264510 | SPH.10 (Pancreas) | Pancreas | Pancreatitis, diabetes, pancreatic cancer |
| 264511 | SPH.11 (Placenta) | Placenta | Infertility, birth defects |
| 264512 | SPH.12 (Thyroid) | Thyroid | Hyperparathyroidism, Hypoparathyroidism |
| 264555 | SPH.13 (Bone Marrow) | Bone Marrow | Hemophilia, hypercoagulation, Idiopathic thrombocytopenic purpura, autoimmune disease, allergies, immunodeficiencies, transplantation, Graft versus host, |
| 264556 | SPH.14 (Bone Marrow) | Bone Marrow | Hemophilia, hypercoagulation, Idiopathic thrombocytopenic purpura, autoimmune disease, allergies, immunodeficiencies, transplantation, Graft versus host, |
| 264557 | SPH.15 (Bone Marrow) | Bone Marrow | Hemophilia, hypercoagulation, Idiopathic thrombocytopenic purpura, autoimmune disease, allergies, immunodeficiencies, transplantation, Graft versus host, |
| 264558 | SPH.16 (Bone Marrow) | Bone Marrow | Hemophilia, hypercoagulation, Idiopathic thrombocytopenic purpura, autoimmune disease, allergies, immunodeficiencies, transplantation, Graft versus host, |
| 264559 | SPH.17 (Bone Marrow) | Bone Marrow | Hemophilia, hypercoagulation, Idiopathic thrombocytopenic purpura, autoimmune disease, allergies, immunodeficiencies, transplantation, Graft versus host, |
| 264569 | SPH.19 (One Fetal tissue and two cell lines) | Mixed | |
| 264687 | SPH.19.1 (fetal thymus - CRL7046) | Fetal Thymus | Hemophilia, hypercoagulation, Idiopathic thrombocytopenic purpura, immunodeficiencies |
| 264688 | SPH.19.2 (hematopoietic stem cells - CRL2043) | Hematopoietic stem cells | Leukemia, osteoporosis, post-chemotherapeutic stem cell repopulation |
| 264689 | SPH.19.3 (osteogenic sarcoma cell lines - HTB96) | Osteogenic Sarcoma | Sarcomas, osteoporosis, osteopetrosis |
| 264690 | SPH.19.4 (Fetal Liver) | Fetal liver | Von Hippel-Lindau (VHL) syndrome, Cirrhosis, Transplantation |
| 264691 | SPH.19.5 (Heart) | Heart | Cardiomyopathy, Atherosclerosis, Hypertension, Congenital heart defects, Aortic stenosis, Atrial septal defect (ASD), Atrioventricular (A-V) canal defect, Ductus arteriosus, Pulmonary stenosis, Subaortic stenosis, Ventricular septal defect (VSD), valve diseases, Tuberous sclerosis, Scleroderma, Obesity, Transplantation |
| 264692 | SPH.19.6 (Spleen) | Spleen | Hemophilia, Hypercoagulation, Idiopathic thrombocytopenic purpura, Immunodeficiencies, Graft versus host |
| 264693 | SPH.19.7 (Pituitary) | Pituitary | Von Hippel-Lindau (VHL) syndrome, Alzheimer's disease, Stroke, Tuberous sclerosis, hypercalcaemia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection |
| 264482 | SPH.2 (Brain) | Brain | Von Hippel-Lindau (VHL) syndrome, Alzheimer's disease, Stroke, Tuberous sclerosis, hypercalcaemia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection |

| | | | |
|--------|------------------------|--------------|--|
| 264600 | SPH.21 (Fetal Brain) | Fetal brain | Von Hippel-Lindau (VHL) syndrome, Alzheimer's disease, Stroke, Tuberous sclerosis, hypercalcaemia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection |
| 264601 | SPH.22 (Bone Marrow) | Bone Marrow | Hemophilia, hypercoagulation, Idiopathic thrombocytopenic purpura, autoimmune disease, allergies, immunodeficiencies, transplantation, Graft versus host, |
| 264602 | SPH.23 (Thyroid) | Thyroid | Hyperthyroidism and Hypothyroidism |
| 264603 | SPH.24 (Pancreas) | Pancreas | Pancreatitis, diabetes, pancreatic cancer |
| 264604 | SPH.25 (Lymph Node) | Lymph Node | Lymphedema, Allergies |
| 264605 | SPH.26 (Placenta) | Placenta | Infertility, birth defects |
| 264634 | SPH.28 (Heart) | Heart | Cardiomyopathy, Atherosclerosis, Hypertension, Congenital heart defects, Aortic stenosis, Atrial septal defect (ASD), Atrioventricular (A-V) canal defect, Ductus arteriosus, Pulmonary stenosis, Subaortic stenosis, Ventricular septal defect (VSD), valve diseases, Tuberous sclerosis, Scleroderma, Obesity, Transplantation |
| 264635 | SPH.29 (Fetal Kidney) | Fetal Kidney | Diabetes, Autoimmune disease, Renal artery stenosis, Interstitial nephritis, Glomerulonephritis, Polycystic kidney disease, Systemic lupus erythematosus, Renal tubular acidosis, IgA nephropathy, Hypercalcaemia, Lesch-Nyhan syndrome |
| 264483 | SPH.3 (Bone Marrow) | Bone marrow | Hemophilia, hypercoagulation, Idiopathic thrombocytopenic purpura, autoimmune disease, allergies, immunodeficiencies, transplantation, Graft versus host, |
| 264636 | SPH.30 (Lymph Node) | Lymph Node | Lymphedema, Allergies |
| 264637 | SPH.31 (Pancreas) | Pancreas | Pancreatitis, diabetes, pancreatic cancer |
| 264638 | SPH.32 (Thyroid) | Thyroid | Hyperthyroidism and Hypothyroidism |
| 264639 | SPH.33 (Fetal Brain) | Fetal brain | Von Hippel-Lindau (VHL) syndrome, Alzheimer's disease, Stroke, Tuberous sclerosis, hypercalcaemia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection |
| 264484 | SPH.4 (Bone Marrow) | Bone Marrow | Hemophilia, hypercoagulation, Idiopathic thrombocytopenic purpura, autoimmune disease, allergies, immunodeficiencies, transplantation, Graft versus host, |
| 264758 | SPH.44.1 (Kidney) | Kidney | Diabetes, Autoimmune disease, Renal artery stenosis, Interstitial nephritis, Glomerulonephritis, Polycystic kidney disease, Systemic lupus erythematosus, Renal tubular acidosis, IgA nephropathy, Hypercalcaemia, Lesch-Nyhan syndrome |
| 264760 | SPH.44.2 (Fetal Liver) | Fetal Liver | Von Hippel-Lindau (VHL) syndrome, Cirrhosis, Transplantation |

| | | | |
|----------|-------------------------------------|--------------------------------|--|
| 264762 | 5PH.44.3 (Heart) | Heart | Cardiomyopathy, Atherosclerosis, Hypertension, Congenital heart defects, Aortic stenosis, Atrial septal defect (ASD), Atrioventricular (A-V) canal defect, Ductus arteriosus, Pulmonary stenosis, Subaortic stenosis, Ventricular septal defect (VSD), valve diseases, Tuberous sclerosis, Scleroderma, Obesity, Transplantation |
| 264764 | 5PH.44.4 (Prostate) | Prostate | Prostate Cancer |
| 264766 | 5PH.44.5 (Spleen) | Spleen | Hemophilia, Hypercoagulation, Idiopathic thrombocytopenic purpura, Immunodeficiencies, Graft versus host |
| 264768 | 5PH.44.6 (pituitary) | Pituitary | Von Hippel-Lindau (VHL) syndrome, Alzheimer's disease, Stroke, Tuberous sclerosis, hypercalcaemia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection |
| 264769 | 5PH.44.7 (Uterus) | Uterus | Infertility, birth defects |
| 264905 | 5PH.48.1 (Burkitt's Lymphoma- Raji) | Burkitt's Lymphoma | Lymphoma, blood cancers |
| 264906 | 5PH.48.2 (Thalamus- Brain) | Thalamus | Von Hippel-Lindau (VHL) syndrome, Alzheimer's disease, Stroke, Tuberous sclerosis, hypercalcaemia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection |
| 264907 | 5PH.48.3 (Adrenal Gland) | Adrenal Gland/Suprarenal gland | Adrenoleukodystrophy, Congenital Adrenal Hyperplasia, |
| 264908 | 5PH.48.4 (Fetal Lung) | Fetal Lung | Cystic Fibrosis, infection, lung cancer |
| 264909 | 5PH.48.5 (Salivary Gland) | Salivary Gland | Dry mouth, infection |
| 264910 | 5PH.48.6 (Mammary Gland) | Mammary Gland | Lactation disorders, breast cancer |
| 265006 | 5PH.50.1 (B's lymphoma) | Burkitt's Lymphoma | Lymphoma, blood cancers |
| 265007 | 5PH.50.2 (thalamus) | Thalamus | Von Hippel-Lindau (VHL) syndrome, Alzheimer's disease, Stroke, Tuberous sclerosis, hypercalcaemia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection |
| 265008 | 5PH.50.3 (adrenal gland) | Adrenal Gland/Suprarenal gland | Adrenoleukodystrophy, Congenital Adrenal Hyperplasia, |
| 265009 | 5PH.50.4 (fetal lung) | Fetal Lung | Cystic Fibrosis, infection, lung cancer |
| 265010 | 5PH.50.5 (salivary gland) | Salivary Gland | Dry mouth, infection |
| 265011 | 5PH.50.6 (mammary gland) | Mammary Gland | Lactation disorders, breast cancer |
| 18108385 | 5PH.51.1 (MCF-7) | Breast Cancer | Breast Cancer |
| 18108370 | 5PH.51.2 (CCRF-CEM) | Cancer Cell line | Cancer |
| 18108374 | 5PH.51.3 (K-562) | Cancer Cell line | Cancer |
| 18108351 | 5PH.51.4 (OVCAR-3) | Ovarian cancer | Ovarian cancer |
| 18108372 | 5PH.51.5 (HL-60) | Cancer Cell line | Cancer |
| 264486 | 5PH.6 (Bone Marrow) | Bone Marrow | Hemophilia, hypercoagulation, Idiopathic thrombocytopenic purpura, autoimmune disease, allergies, immunodeficiencies, transplantation, Graft versus host, |

| | | | |
|----------|----------------------|-------------|---|
| 264508 | SPH.8 (Fetal Brain) | | Von Hippel-Lindau (VHL) syndrome , Alzheimer's disease, Stroke, Tuberous sclerosis, hypercalcaemia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection |
| 264509 | SPH.9 (Lymph Node) | Lymph Node | Lymphedema , Allergies |
| 20798451 | SRH 56.3(UtSMC) | | |
| 264487 | SRH.1 (Brain) | Brain | Von Hippel-Lindau (VHL) syndrome , Alzheimer's disease, Stroke, Tuberous sclerosis, hypercalcaemia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection |
| 264534 | SRH.11 (Bone marrow) | Bone Marrow | Hemophilia, hypercoagulation, Idiopathic thrombocytopenic purpura, autoimmune disease, allergies, immunodeficiencies, transplantation, Graft versus host, |
| 264535 | SRH.12 (Bone marrow) | Bone Marrow | Hemophilia, hypercoagulation, Idiopathic thrombocytopenic purpura, autoimmune disease, allergies, immunodeficiencies, transplantation, Graft versus host, |
| 264563 | SRH.19 (Fetal Brain) | Fetal brain | Von Hippel-Lindau (VHL) syndrome , Alzheimer's disease, Stroke, Tuberous sclerosis, hypercalcaemia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection |
| 264488 | SRH.2 (Bone Marrow) | Bone Marrow | Hemophilia, hypercoagulation, Idiopathic thrombocytopenic purpura, autoimmune disease, allergies, immunodeficiencies, transplantation, Graft versus host, |
| 264564 | SRH.20 (Lymph Node) | Lymph Node | Lymphedema , Allergies |
| 264565 | SRH.21 (Pancreas) | Pancreas | Pancreatitis, diabetes, pancreatic cancer |
| 264566 | SRH.22 (Placenta) | Placenta | Infertility, birth defects |
| 264567 | SRH.23 (Thyroid) | Thyroid | Hyperthyroidism and Hypothyroidism |
| 264591 | SRH.25 (Fetal Brain) | Fetal brain | Von Hippel-Lindau (VHL) syndrome , Alzheimer's disease, Stroke, Tuberous sclerosis, hypercalcaemia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection |
| 264592 | SRH.26 (Bone Marrow) | Bone Marrow | Hemophilia, hypercoagulation, Idiopathic thrombocytopenic purpura, autoimmune disease, allergies, immunodeficiencies, transplantation, Graft versus host, |
| 264593 | SRH.27(thyroid) | Thyroid | Hyperthyroidism and Hypothyroidism |
| 264594 | SRH.28 (Pancreas) | Pancreas | Pancreatitis, diabetes, pancreatic cancer |
| 264595 | SRH.29 (Lymph Node) | Lymph Node | Lymphedema , Allergies |
| 264489 | SRH.3 (Bone Marrow) | Bone Marrow | Hemophilia, hypercoagulation, Idiopathic thrombocytopenic purpura, autoimmune disease, allergies, immunodeficiencies, transplantation, Graft versus host, |

| | | | |
|--------|--|--------------------------|--|
| 264596 | SRH.30 (Placenta) | Placenta | Infertility, birth defects |
| 264628 | SRH.33 (fetal Kidney) | Fetal kidney | Diabetes, Autoimmune disease, Renal artery stenosis, Interstitial nephritis, Glomerulonephritis, Polycystic kidney disease, Systemic lupus erythematosus, Renal tubular acidosis, IgA nephropathy, Hypercalcaemia, Lesch-Nyhan syndrome |
| 264629 | SRH.34 (lymph Node) | Lymph Node | Lymphedema , Allergies |
| 264630 | SRH.35 (Pancreas) | Pancreas | Pancreatitis, diabetes, pancreatic cancer |
| 264631 | SRH.36 (thyroid) | Thyroid | Hyperthyroidism and Hypothyroidism |
| 264632 | SRH.37 (Fetal Brain) | Fetal Brain | Von Hippel-Lindau (VHL) syndrome , Alzheimer's disease, Stroke, Tuberous sclerosis, hypercalcaemia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection |
| 264490 | SRH.4 (Bone Marrow) | Bone Marrow | Hemophilia, hypercoagulation, Idiopathic thrombocytopenic purpura, autoimmune disease, allergies, immunodeficiencies, transplantation, Graft versus host, |
| 264681 | SRH.43.1 (fetal thymus - CRL7046) | Fetal Thymus | Hemophilia, hypercoagulation, Idiopathic thrombocytopenic purpura, immunodeficiencies |
| 264682 | SRH.43.2 (hematopoietic stem cells - CRL2043) | Hematopoietic stem cells | Leukemia, osteoporosis, post-chemotherapeutic stem cell repopulation |
| 264683 | SRH.43.3 (osteogenic sarcoma cell lines - HTB96) | Osteogenic Sarcoma | Sarcomas, osteoporosis, osteopetrosis |
| 264684 | SRH.43.4 (Fetal Liver) | Fetal Liver | Von Hippel-Lindau (VHL) syndrome, Cirrhosis, Transplantation |
| 264685 | SRH.43.6 (Spleen) | Spleen | Hemophilia, Hypercoagulation, Idiopathic thrombocytopenic purpura , Immunodeficiencies, Graft versus host |
| 264686 | SRH.43.7 (pituitary) | Pituitary | Von Hippel-Lindau (VHL) syndrome , Alzheimer's disease, Stroke, Tuberous sclerosis, hypercalcaemia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection |
| 264757 | SRH.44.1 (Kidney) | Kidney | Diabetes, Autoimmune disease, Renal artery stenosis, Interstitial nephritis, Glomerulonephritis, Polycystic kidney disease, Systemic lupus erythematosus, Renal tubular acidosis, IgA nephropathy, Hypercalcaemia, Lesch-Nyhan syndrome |
| 264759 | SRH.44.2 (Fetal Liver) | Fetal Liver | Von Hippel-Lindau (VHL) syndrome, Cirrhosis, Transplantation |
| 264761 | SRH.44.3 (Heart) | Heart | Cardiomyopathy, Atherosclerosis, Hypertension, Congenital heart defects, Aortic stenosis, Atrial septal defect (ASD), Atrioventricular (A-V) canal defect, Ductus arteriosus , Pulmonary stenosis , Subaortic stenosis, Ventricular septal defect (VSD), valve diseases, Tuberous sclerosis, Scleroderma, Obesity, Transplantation |
| 264763 | SRH.44.4 (Prostate) | Prostate | Prostate Cancer |
| 264765 | SRH.44.5 (Spleen) | Spleen | Hemophilia, Hypercoagulation, Idiopathic thrombocytopenic purpura , Immunodeficiencies, Graft versus host |

| | | | |
|----------|------------------------------|--------------------------------|--|
| 264767 | SRH.44.6 (Pituitary) | Pituitary | Von Hippel-Lindau (VHL) syndrome , Alzheimer's disease, Stroke, Tuberous sclerosis, hypercalcaemia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection |
| 264828 | SRH.46.1 (Lymph Node) | Lymph Node | Lymphedema , Allergies |
| 264887 | SRH.47.5 (Fetal Liver) | Fetal Liver | Von Hippel-Lindau (VHL) syndrome, Cirrhosis, Transplantation |
| 18108377 | SRH.50.1 (B's lymphoma) | Burkitt's Lymphoma | Lymphoma, blood cancers |
| 18108380 | SRH.50.2 (thalamus) | Thalamus | Von Hippel-Lindau (VHL) syndrome , Alzheimer's disease, Stroke, Tuberous sclerosis, hypercalcaemia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection |
| 18108396 | SRH.50.3 (adrenal gland) | Adrenal Gland/Suprarenal gland | Adrenoleukodystrophy , Congenital Adrenal Hyperplasia, |
| 18108391 | SRH.50.4 (fetal lung) | Fetal Lung | Airway diseases, infection |
| 18108357 | SRH.50.5 (salivary gland) | Salivary Gland | Dry mouth, infection |
| 18108390 | SRH.50.6 (mammary gland) | Mammary Gland | Lactation disorders, breast cancer |
| 264532 | SRH.9 (Bone Marrow) | Bone Marrow | Hemophilia, hypercoagulation, Idiopathic thrombocytopenic purpura, autoimmune disease, allergies, immunodeficiencies, transplantation, Graft versus host, |
| 263974 | 736xN | | |
| 263976 | 736xN | | |
| 263981 | 736xN | | |
| 20281166 | 96xN | | |
| 20281169 | 96xN | | |
| 20281171 | 96xN | | |
| 263994 | cDNA-ORF Selection | | |
| 264080 | Mx96 | | |
| 21906754 | NQH 6.1 (HH729) | | |
| 22278996 | NQH 6.10 (PrEC) | Endothelial cells | heart disease, cancer |
| 22278997 | NQH 6.11 (CAEC) | Endothelial cells | heart disease, cancer |
| 22278998 | NQH 6.12 (CSC) | Cancer Cell line | Cancer |
| 22278999 | NQH 6.13 (NHNPC) | Cancer Cell line | Cancer |
| 22279000 | NQH 6.14 (NHMC-RM) | Cancer Cell line | Cancer |
| 22279002 | NQH 6.15 (Hypothalamus) | Hypothalamus | Von Hippel-Lindau (VHL) syndrome , Alzheimer's disease, Stroke, Tuberous sclerosis, hypercalcaemia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection, Obesity |
| 21906764 | NQH 6.2 (In Dated Platelets) | Platelets | Clotting diseases, stroke |
| 21906765 | NQH 6.3 (HuVec) | Endothelial cells | heart disease, cancer |
| 87168474 | NQH 6.3 (Sized-HUVEC) | Endothelial cells | heart disease, cancer |
| 21906766 | NQH 6.4 (UiMVEC- myo) | Cancer Cell line | Cancer |
| 21906767 | NQH 6.5 (NHEM-neo) | Cancer Cell line | Cancer |
| 21906768 | NQH 6.6 (NHEK) | Cancer Cell line | Cancer |
| 21906769 | NQH 6.7 (ByCAEC) | Endothelial cells | heart disease, cancer |
| 22278994 | NQH 6.8 (NHA) | Cancer Cell line | Cancer |

| | | | |
|----------|--------------------------------------|-------------------|--|
| 22278995 | NQH 6.9 (PrSC) | Cancer Cell line | Cancer |
| 27486261 | NQH 7.1 (Jurkat E6-untreated) | Cancer Cell line | Cancer |
| 27486262 | NQH 7.2 (TF1-untreated) | Cancer Cell line | Cancer |
| 27486264 | NQH 7.3 (U87-untreated) | Cancer Cell line | Cancer |
| 27486265 | NQH 7.4 (THP1-untreated) | Cancer Cell line | Cancer |
| 29331822 | NQH 8.1 (Brain- amygdala) | | Von Hippel-Lindau (VHL) syndrome , Alzheimer's disease, Stroke, Tuberos sclerosis, hypercalceimia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection |
| 29331824 | NQH 8.2 (Brain-hippocampus) | | Von Hippel-Lindau (VHL) syndrome , Alzheimer's disease, Stroke, Tuberos sclerosis, hypercalceimia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection |
| 29331825 | NQH 8.3 (Brain- substantia nigra) | | Von Hippel-Lindau (VHL) syndrome , Alzheimer's disease, Stroke, Tuberos sclerosis, hypercalceimia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection |
| 29331826 | NQH 8.4 (small intestine) | Small intestine | digestive diseases, obesity, diabetes |
| 29331827 | NQH 8.5 (Spinal cord) | Spinal chord | paralysis, neurodegenerative disorders |
| 29331828 | NQH 8.6 (stomach) | Stomach | Stomach cancer |
| 29331830 | NQH 8.7 (Trachea) | Trachea | Airway diseases, infection |
| 87168518 | NQH 9.1 (Sized-MG-63_treatment pool) | | |
| 87168559 | NQH 9.2 (Sized-HEPG2 untreated) | | |
| 35695763 | NQH.10.1 (MCF-7untreated) | Cancer Cell line | Cancer |
| 35695855 | NQH.10.2 (U-937_treatment pool) | Cancer Cell line | Cancer |
| 35695917 | NQH.10.3 (JAR) | Cancer Cell line | Cancer |
| 35696052 | NQH.10.4 (PA-1) | Cancer Cell line | Cancer |
| 35696286 | NQH.10.5 (CADMEC) | Endothelial cells | heart disease, cancer |
| 35696423 | NQH.10.6 (CADMEC_LA) | Endothelial cells | heart disease, cancer |
| 52644045 | NQH.11.1 (SK-PN-DW) | Cancer Cell line | Cancer |
| 52644150 | NQH.11.2 (Chorionic Villus Cells) | Chorionic villus | fertility, birth defects |
| 52644229 | NQH.11.3 (A549) | Cancer Cell line | Cancer |
| 52644296 | NQH.11.4 (U266B1) | Cancer Cell line | Cancer |
| 52644332 | NQH.11.5 (Daoy) | Cancer Cell line | Cancer |
| 52644507 | NQH.11.6 (SW1783) | Cancer Cell line | Cancer |
| 52645080 | NQH.12.1 (U-118MG) | Cancer Cell line | Cancer |
| 52645129 | NQH.12.2 (A204) | Cancer Cell line | Cancer |
| 52645156 | NQH.12.3 (T24) | Cancer Cell line | Cancer |
| 52646317 | NQH.12.4 (G-401) | Cancer Cell line | Cancer |
| 52646365 | NQH.12.5 (CaSki) | Cancer Cell line | Cancer |
| 52646842 | NQH.12.6 (SHP-77) | Cancer Cell line | Cancer |

| | | | |
|----------|---|--------------------------------|---|
| 60424179 | NQH.14.1 (Yale75_breast carcinoma) | Breast carcinoma | Breast Cancer |
| 60424269 | NQH.14.2 (Yale78B_ovarytumor) | Ovary tumor | Ovarian cancer |
| 60431528 | NQH.14.3 (Yale79_prostateBPH) | Prostate | Prostate Cancer |
| 60431602 | NQH.14.4 (Yale80_ProstateAdenocarcinoma) | Prostate | Prostate Cancer |
| 60431735 | NQH.14.5 (Yale86_UterineMyoma) | Uterine Myoma | Uterine Cancer |
| 60431850 | NQH.14.6 (Yale207_Myometrium) | Myometrium | Fertility |
| 60432049 | NQH.15.1 (Yale99_cervix) | Cervix | Osteoporosis, cervical cancer |
| 60432113 | NQH.15.2 (Yale45_spleenITP) | | Hemophilia, Hypercoagulation, Idiopathic thrombocytopenic purpura, Immunodeficiencies, Graft vesus host |
| 60432229 | NQH.15.3 (Yale16_Skin) | Skin | wound healing, melanoma |
| 60432289 | NQH.15.4 (Yale137_Parotid) | | |
| 60433356 | NQH.15.5 (Yale38_SmallIntestine) | Small intestine | digestive diseases, obesity, diabetes |
| 60433438 | NQH.15.6 (Yale28_ColonAscending) | Colon | Colon cancer |
| 65274444 | NQH.17.1 (Larynx) | Larynx | Cancer |
| 65274572 | NQH.17.2 (Duodenum) | Duodenum | |
| 65274620 | NQH.17.3 (Kidney, Primary tumors) | | Diabetes, Autoimmune disease, Renal artery stenosis, Interstitial nephritis, Glomerulonephritis, Polycystic kidney disease, Systemic lupus erythematosus, Renal tubular acidosis, IgA nephropathy, Hypercalcaemia, Lesch-Nyhan syndrome |
| 65274727 | NQH.17.4 (Lung Pleura, normal) | Lung | Airway diseases, infection |
| 65274791 | NQH.17.5 (Lung, Normal Adult) | Lung | Airway diseases, infection |
| 83373044 | NQH.18.230 (Pooled adrenal gland, placenta) | Adrenal Gland/Suprarenal gland | Adrenoleukodystrophy, Congenital Adrenal Hyperplasia, |
| 85658542 | NQH.18.560 (Pooled uterus, BeWo pool) | Uterus | Infertility, birth defects |
| 33656970 | NQH.9.1 (MG-63_treatment pool) | Cancer Cell line | Cancer |
| 33657023 | NQH.9.2 (HEPG2 untreated) | | Von Hippel-Lindau (VHL) syndrome, Cirrhosis, Transplantation |
| 33657084 | NQH.9.3 (PC3_untreated) | Cancer Cell line | Cancer |
| 33657109 | NQH.9.4 (TF-1_TPA) | Cancer Cell line | Cancer |
| 33657182 | NQH.9.5 (TF-1_TPO) | Cancer Cell line | Cancer |
| 33657349 | NQH.9.6 (TF-1_Hemin) | Cancer Cell line | Cancer |
| 33657402 | NQH.9.7 (HFDPC) | Cancer Cell line | Cancer |
| 264259 | NQH1 (Mixture of eight adult & two fetal tissues) | | |
| 264288 | NQH2 (Ten tissues plus lymphocyte control) | | |
| 264448 | NQH3 (Bone Marrow) | Bone Marrow | Hemophilia, hypercoagulation, Idiopathic thrombocytopenic purpura, autoimmune disease, allergies, immunodeficiencies, transplantation, Graft vesus host, |
| 265017 | NQH4.1 (lymph node) | Lymph Node | Lymphedema, Allergies |

| | | | |
|----------|-----------------------------------|--------------------------------|--|
| 265018 | NQH4.2 (fetal kidney) | Fetal Kidney | Diabetes, Autoimmune disease, Renal artery stenosis, Interstitial nephritis, Glomerulonephritis, Polycystic kidney disease, Systemic lupus erythematosus, Renal tubular acidosis, IgA nephropathy, Hypercalcaemia, Lesch-Nyhan syndrome |
| 66712502 | NQH4.2 (Sized) | | |
| 265019 | NQH4.3 (pituitary gland) | | Von Hippel-Lindau (VHL) syndrome, Alzheimer's disease, Stroke, Tuberosus sclerosis, hypercalcaemia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection, Obesity |
| 66714117 | NQH4.3 (Sized) | | |
| 265020 | NQH4.4 (testis) | testis | Infertility, birth defects |
| 265021 | NQH4.5 (fetal liver) | Fetal Liver | Von Hippel-Lindau (VHL) syndrome, Cirrhosis, Transplantation |
| 265022 | NQH4.6 (thyroid) | Thyroid | Hyperthyroidism and Hypothyroidism |
| 18108376 | NQH5.1 (MCF-7) | Breast cancer | Breast Cancer |
| 18108387 | NQH5.2 (CCRF-CEM) | Cancer Cell line | Cancer |
| 264952 | NRL1: HPLC FRACTIONATION OF RELIG | | |
| 263971 | Old BB3 Baits | | |
| 263969 | Old BB5 Baits | | |
| 263975 | ORFSEL | | |
| 263972 | OTHER Baits | | |
| 263978 | pGALORF | | |
| 264106 | PPBAITS | | |
| 264088 | QC-YA7 | | |
| 264089 | QC-YA8 | | |
| 264102 | Resequenced Interactors | | |
| 264369 | RRH.1 | | |
| 60170394 | RRH.10.1 (MCF-7untreated) | Breast cancer | Breast Cancer |
| 60170615 | RRH.10.2 (U-937_treatment pool) | Cancer Cell line | Cancer |
| 60170831 | RRH.10.3 (JAR) | Cancer Cell line | Cancer |
| 60174639 | RRH.11.8 (HeLa) | Cancer Cell line | Cancer |
| 264113 | mQEA Baits | | |
| 263973 | RRQEA_B5 baits | | |
| 29146498 | SRD 3.1 (SKMC) | Cancer Cell line | Cancer |
| 29146499 | SRD 3.2 (SKMC) | Cancer Cell line | Cancer |
| 29147620 | SRD 3.3 (RPTEC) | Cancer Cell line | Cancer |
| 29148627 | SRD 3.4 (HRCE) | Cancer Cell line | Cancer |
| 29148629 | SRD 3.6 (HRE) | Cancer Cell line | Cancer |
| 29148784 | SRD 3.7 (HRE) | Cancer Cell line | Cancer |
| 55810764 | SRD.7.1 (Lymph Node) | Lymph Node | Lymphedema, Allergies |
| 55811150 | SRD.7.2 (pancreas) | Pancreas | Pancreatitis, diabetes, pancreatic cancer |
| 55811386 | SRD.7.3 (Adrenal Gland) | Adrenal Gland/Suprarenal gland | Adrenoleukodystrophy, Congenital Adrenal Hyperplasia, |

| | | | |
|----------|---------------------------|--------------------------------|---|
| 55811576 | SRD.7.4 (Pituitary Gland) | Pituitary | Von Hippel-Lindau (VHL) syndrome , Alzheimer's disease, Stroke, Tuberosus sclerosis, hypercalcaemia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection, Obesity |
| 55811957 | SRD.7.5 (Fetal Liver) | Fetal Liver | Von Hippel-Lindau (VHL) syndrome, Cirrhosis, Transplantation |
| 55812038 | SRD.7.6 (Fetal Kidney) | Fetal kidney | Diabetes, Autoimmune disease, Renal artery stenosis, Interstitial nephritis, Glomerulonephritis, Polycystic kidney disease, Systemic lupus erythematosus, Renal tubular acidosis, IgA nephropathy, Hypercalcaemia, Lesch-Nyhan syndrome |
| 56181562 | SRD.8.1 (Lymph Node) | Lymph Node | Lymphedema , Allergies |
| 56181686 | SRD.8.2 (Pancreas) | Pancreas | Pancreatitis, diabetes, pancreatic cancer |
| 56182181 | SRD.8.3 (Adrenal Gland) | Adrenal Gland/Suprarenal gland | Adrenoleukodystrophy , Congenital Adrenal Hyperplasia, |
| 56182323 | SRD.8.4 (Pituitary Gland) | Pituitary | Von Hippel-Lindau (VHL) syndrome , Alzheimer's disease, Stroke, Tuberosus sclerosis, hypercalcaemia, Parkinson's disease, Huntington's disease, Cerebral palsy, Epilepsy, Lesch-Nyhan syndrome, Multiple sclerosis, Ataxia-telangiectasia, Leukodystrophies, Behavioral disorders, Addiction, Anxiety, Pain, Neuroprotection, Obesity |
| 56182435 | SRD.8.5 (Fetal Liver) | Fetal Liver | Von Hippel-Lindau (VHL) syndrome, Cirrhosis, Transplantation |
| 56182575 | SRD.8.6 (Fetal Kidney) | | Diabetes, Autoimmune disease, Renal artery stenosis, Interstitial nephritis, Glomerulonephritis, Polycystic kidney disease, Systemic lupus erythematosus, Renal tubular acidosis, IgA nephropathy, Hypercalcaemia, Lesch-Nyhan syndrome |
| 32833986 | SRD4: HL adapter | | |
| 56526486 | SRD5.1:rr fragments | | |
| 33109954 | SRD5: long-RXRJ | | |
| 56994075 | SRD9.1 (CS/SC) | Cancer Cell line | Cancer |
| 263977 | TSC Screen I | | |

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 225 | | 230 | | 235 | | 240 | | | | | | | | | |
| Asp | Leu | Asp | Lys | Ala | Tyr | Gln | Glu | Leu | Leu | Arg | Leu | Ile | Asn | Lys | Leu |
| | | | | 245 | | | | | 250 | | | | | 255 | |
| Asp | Thr | Glu | Pro | Gln | Trp | Val | Pro | Ser | Thr | Trp | Leu | Arg | | | |
| | | | 260 | | | | | 265 | | | | | | | |

<210> 3371

<211> 790

<212> DNA

<213> Homo sapiens

<400> 3371

```

nnacgcgtag ccacaagacc ggggccgttt ctgggtgccg ttcccgagg tgacgctgca
60
gacagaccag agactccagt caccctcgcc atctgtggaa tcatattctg gctgatcttt
120
ggtttcaaaa gtccggtggc ctggggctgt atgggtccac cccctggggg ggttgaggaa
180
gttgctgtcg tctgaggtac tgccgtacgt gtagtcctgg tccccgcttt tgccctggcc
240
aaagaagcac caaggagca tctggaccac caggctgcac accaaccctt cccagaccg
300
cgattccgac aagagacggg gcacccttca ttgcaaagag atttccccag atcctttctc
360
cttgatctac caaactttcc agatctttcc aaagctgata tcaatgggca gaatccaaat
420
atccaggtca ccatagaggt ggtcgacggt cctgactctg aagcagataa agatcagcat
480
ccggagaata agcccagctg gtcagtccca tccccgact ggccggcctg gtggcagagg
540
tccctgtcct tggccagggc aaacagcggg gaccaggact acaagtacga cagtacctca
600
gacgacagca acttctctca cccccccagg ggggtgggacc atacagcccc aggccaccgg
660
acttttgaaa ccaaagatca gccagaatat gattccacag atggcgaggg tgactggagt
720
ctctggtctg tctgcagcgt cacctgcggg aacggcaacc agaaacggac ccggtcttgt
780
ggctacgcgt
790

```

<210> 3372

<211> 198

<212> PRT

<213> Homo sapiens

<400> 3372

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gly | Thr | Ala | Val | Arg | Val | Val | Leu | Val | Pro | Ala | Phe | Ala | Leu | Ala | Lys |
| 1 | | | | | 5 | | | | 10 | | | | | 15 | |
| Glu | Ala | Pro | Arg | Glu | His | Leu | Asp | His | Gln | Ala | Ala | His | Gln | Pro | Phe |
| | | | 20 | | | | | 25 | | | | | 30 | | |
| Pro | Arg | Pro | Arg | Phe | Arg | Gln | Glu | Thr | Gly | His | Pro | Ser | Leu | Gln | Arg |
| | | 35 | | | | 40 | | | | | 45 | | | | |
| Asp | Phe | Pro | Arg | Ser | Phe | Leu | Leu | Asp | Leu | Pro | Asn | Phe | Pro | Asp | Leu |

```

      50              55              60
Ser Lys Ala Asp Ile Asn Gly Gln Asn Pro Asn Ile Gln Val Thr Ile
65              70              75              80
Glu Val Val Asp Gly Pro Asp Ser Glu Ala Asp Lys Asp Gln His Pro
      85              90              95
Glu Asn Lys Pro Ser Trp Ser Val Pro Ser Pro Asp Trp Arg Ala Trp
      100             105             110
Trp Gln Arg Ser Leu Ser Leu Ala Arg Ala Asn Ser Gly Asp Gln Asp
      115             120             125
Tyr Lys Tyr Asp Ser Thr Ser Asp Asp Ser Asn Phe Leu Asn Pro Pro
      130             135             140
Arg Gly Trp Asp His Thr Ala Pro Gly His Arg Thr Phe Glu Thr Lys
      145             150             155             160
Asp Gln Pro Glu Tyr Asp Ser Thr Asp Gly Glu Gly Asp Trp Ser Leu
      165             170             175
Trp Ser Val Cys Ser Val Thr Cys Gly Asn Gly Asn Gln Lys Arg Thr
      180             185             190
Arg Ser Cys Gly Tyr Ala
      195

```

<210> 3373

<211> 726

<212> DNA

<213> Homo sapiens

<400> 3373

```

tgtacatggt ttctctgggc tgacaggggc cctgcccctg gggcactgag ccctccctgt
60
gggtcctcga acagaagcca gggctctgtgc ggcacccacc agctgctggg ccatggcgga
120
gtgttctggt gcggggccagc gcttgaccgg tgcgggcggc ctcaggagag gagagcttgc
180
tcagtgcgtc acgtagtcag ggctcaggct ggggcccggc tccagagcct ggtcacattc
240
ccaagcttca ttctcttcac ctgtgaattg caggcttccc tgggtgtgcc tgcacatgag
300
ggaagacaca cctgaagcac tgggtccctc catggccttg ggccgcagga accgtgggag
360
cacgagcttg ggaaggacat gtcggaggcc ggcgcctgtg cgggcagaag ctgtgtcctc
420
cagcccttcc accaccagca tgttctcatt tccaggtttc tctgtttaaa aaacaaaagt
480
agcgcacggt tggctctcac gacgtacacc cagaagcacc cgtccatcga ggacgggcct
540
ccgtttgtgg agccgctgct taacttcac tggttcctgc tgctggctgt ggacgggtgc
600
gtcttgggat cctgcagggg gagggggctg tgaatgtgcg ggttgtgtgt agacgtgggtg
660
tggatagctg tgtgggtgtg tgtgcaagtg tagccatggt gtgggtagcc gtgtgggtat
720
atgcat
726

```

<210> 3374

What is claimed is:

1. An isolated nucleic acid molecule encoding a polypeptide comprising an amino acid sequence that is at least 85% identical to a polypeptide including an amino acid sequence selected from the group consisting of SEQ ID NO:2 n , wherein n is any integer 1-3161, or the complement thereof.

2. The isolated nucleic acid molecule of claim 1, said molecule hybridizing under stringent conditions to a nucleic acid sequence complementary to a nucleic acid molecule comprising the sequence of nucleotides selected from the group consisting of SEQ ID NO:2 n , wherein n is any integer 1-3161, or the complement thereof.

3. The isolated nucleic acid molecule of claim 1, said molecule encoding a polypeptide comprising the amino acid sequence selected from the group consisting of SEQ ID NO: 2 n , wherein n is any integer 1-3161, or an amino acid sequence comprising one or more conservative substitutions in the amino acid sequence selected from the group consisting of SEQ ID NO: 2 n .

4. The isolated nucleic acid molecule of claim 1, wherein said molecule encodes a polypeptide comprising the amino acid sequence selected from the group consisting of SEQ ID NO: 2 n , wherein n is any integer 1-3161.

5. The isolated nucleic acid molecule of claim 1, wherein said molecule comprises the sequence of nucleotides selected from the group consisting of SEQ ID NO:2 n -1, wherein n is any integer 1-3161, or the complement thereof.

6. An oligonucleotide less than 100 nucleotides in length and comprising at least 10 contiguous nucleotides selected from the group consisting of SEQ ID NO:2 n -1, wherein n is any integer 1-3161, or the complement thereof.

7. A vector comprising the nucleic acid molecule of claim 1.

8. The vector of claim 7, wherein said vector is an expression vector.
9. A host cell comprising the isolated nucleic acid molecule of claim 1.
10. A substantially purified polypeptide comprising an amino acid sequence at least 80% identical to a polypeptide comprising the amino acid sequence selected from the group consisting of SEQ ID NO: 2n, wherein n is any integer 1-3161.
11. The polypeptide of claim 10, wherein said polypeptide comprises the amino acid sequence selected from the group consisting of SEQ ID NO: 2n, wherein n is any integer 1-3161.
12. An antibody that selectively binds to the polypeptide of claim 10.
13. A pharmaceutical composition comprising a therapeutically or prophylactically effective amount of a therapeutic selected from the group consisting of:
 - a) the nucleic acid of claim 1;
 - b) the polypeptide of claim 10; and
 - c) the antibody of claim 12;and a pharmaceutically acceptable carrier.
14. A kit comprising in one or more containers, a therapeutically or prophylactically effective amount of the pharmaceutical composition of claim 13.
15. A method of producing the polypeptide of claim 10, said method comprising culturing the host cell of claim 9 under conditions in which the nucleic acid molecule is expressed.
16. A method of detecting the presence of the polypeptide of claim 10 in a sample, comprising contacting the sample with a compound that selectively binds to said polypeptide under conditions allowing the formation of a complex between said polypeptide and said

compound, and detecting said complex, if present, thereby identifying said polypeptide in said sample.

17. A method of detecting the presence of a nucleic acid molecule of claim 1 in a sample, the method comprising contacting the sample with a nucleic acid probe or primer that selectively binds to the nucleic acid molecule and determining whether the nucleic acid probe or primer bound to the nucleic acid molecule of claim 1 is present in the sample.

18. A method for modulating the activity of the polypeptide of claim 10, the method comprising contacting a cell sample comprising the polypeptide of claim 10 with a compound that binds to said polypeptide in an amount sufficient to modulate the activity of the polypeptide.

19. The use of a therapeutic in the manufacture of a medicament for treating a syndrome associated with a ORFX-associated disorder, wherein said therapeutic is selected from the group consisting of:

- a) the nucleic acid of claim 1;
- b) the polypeptide of claim 10; and
- c) the antibody of claim 12.

20. A method for screening for a modulator of activity or of latency or predisposition to an ORFX-associated disorder, said method comprising:

- a) contacting a test compound with the polypeptide of claim 10; and
- b) determining if said test compound binds to said polypeptide,

wherein binding of said test compound to said polypeptide indicates the test compound is a modulator of activity or of latency or predisposition to an ORFX-associated disorder.

21. A method for screening for a modulator of activity or of latency or predisposition to an ORFX-associated disorder, said method comprising:

- a) administering a test compound to a test subject at an increased risk ORFX-associated disorder, wherein said test subject recombinantly expresses a polypeptide encoded by the nucleotide of claim 1;

- b) measuring expression the activity of said protein in said test subject;
- c) measuring the activity of said protein in a control subject that recombinantly expresses said protein and is not at increased risk for an ORFX-associated disorder; and
- d) comparing expression of said protein in said test subject and said control subject, wherein a change in the activity of said protein in said test subject relative to said control subject indicates the test compound is a modulator or of latency of predisposition to an ORFX-associated disorder.

22. The method of claim 20, wherein said test animal is a recombinant test animal that expresses a test protein transgene or expresses said transgene under the control of a promoter at an increased level relative to a wild-type test animal, and wherein said promoter is not the native gene promoter of said transgene.

23. A method for determining the presence of or predisposition to a disease associated with altered levels of a polypeptide of claim 11 in a subject, the method comprising:

- a) measuring the amount of the polypeptide in a sample from said subject; and
- b) comparing the amount of said polypeptide in step (a) to the amount of the polypeptide present in a control sample,

wherein an alteration in the level of the polypeptide in step (a) as compared to the control sample indicates the presence of or predisposition to a disease in said subject.

24. The method of claim 23, wherein said subject is a human.

25. A method for determining the presence of or predisposition to a disease associated with altered levels the nucleic acid molecule of claim 1 in a subject, the method comprising:

- a) measuring the amount of the nucleic acid in a sample from the mammalian subject; and
- b) comparing the amount of said nucleic acid in step (a) to the amount of the nucleic acid present in a control sample,

wherein an alteration in the level of the nucleic acid in step (a) as compared to the control sample indicates the presence of or predisposition to said disease in said subject.

26. The method of claim 25, wherein said subject is a human.

27. A method of treating or preventing a pathological condition associated with an ORFX-associated disorder in a subject, the method comprising administering to said subject polypeptide of claim 10 in an amount sufficient to alleviate or prevent said pathological condition.

28. The method of claim 27, wherein said subject is a human.

29. A method of treating or preventing a pathological condition associated with an ORFX-associated disorder in a subject, the method comprising administering to said subject nucleic acid molecule of claim 1 in an amount sufficient to alleviate or prevent said pathological condition.

30. The method of claim 29, wherein said subject is a human.

31. A method of treating or preventing a pathological condition associated with an ORFX-associated disorder in a subject, the method comprising administering to said subject antibody of claim 12 in an amount sufficient to alleviate or prevent said pathological condition.

32. The method of claim 31, wherein said subject is a human.

45:413-419, 1987; Humphrey *et al.*, *Fibrinolysis* 5:71-79 (1991); Schaub, *Prostaglandins* 35:467-474, 1988.

Receptor/Ligand Activity

A protein of the present invention may also demonstrate activity as receptors, receptor
5 ligands or inhibitors or agonists of receptor/ligand interactions. Examples of such receptors and
ligands include, without limitation, cytokine receptors and their ligands, receptor kinases and
their ligands, receptor phosphatases and their ligands, receptors involved in cell—cell
interactions and their ligands (including without limitation, cellular adhesion molecules (such as
10 selectins, integrins and their ligands) and receptor/ligand pairs involved in antigen presentation,
antigen recognition and development of cellular and humoral immune responses). Receptors and
ligands are also useful for screening of potential peptide or small molecule inhibitors of the
relevant receptor/ligand interaction. A protein of the present invention (including, without
limitation, fragments of receptors and ligands) may themselves be useful as inhibitors of
receptor/ligand interactions.

15 The activity of a protein of the invention may, among other means, be measured by the
following methods:

Suitable assays for receptor-ligand activity include without limitation those described in:
CURRENT PROTOCOLS IN IMMUNOLOGY, Ed by Coligan, *et al.*, Greene Publishing Associates and
Wiley-Interscience (Chapter 7.28, Measurement of Cellular Adhesion under static conditions
20 7.28.1-7.28.22), Takai *et al.*, *Proc Natl Acad Sci USA* 84:6864-6868, 1987; Bierer *et al.*, *J. Exp.*
Med. 168:1145-1156, 1988; Rosenstein *et al.*, *J. Exp. Med.* 169:149-160 1989; Stoltenberg *et al.*,
J Immunol Methods 175:59-68, 1994; Stitt *et al.*, *Cell* 80:661-670, 1995.

Anti-Inflammatory Activity

Proteins of the present invention may also exhibit anti-inflammatory activity. The
25 anti-inflammatory activity may be achieved by providing a stimulus to cells involved in the
inflammatory response, by inhibiting or promoting cell—cell interactions (such as, for example,
cell adhesion), by inhibiting or promoting chemotaxis of cells involved in the inflammatory
process, inhibiting or promoting cell extravasation, or by stimulating or suppressing production
of other factors which more directly inhibit or promote an inflammatory response. Proteins
30 exhibiting such activities can be used to treat inflammatory conditions including chronic or acute

conditions), including without limitation inflammation associated with infection (such as septic shock, sepsis or systemic inflammatory response syndrome (SIRS)), ischemia-reperfusion injury, endotoxin lethality, arthritis, complement-mediated hyperacute rejection, nephritis, cytokine or chemokine-induced lung injury, inflammatory bowel disease, Crohn's disease or resulting from over production of cytokines such as TNF or IL-1. Proteins of the invention may also be useful to treat anaphylaxis and hypersensitivity to an antigenic substance or material.

Tumor Inhibition Activity

In addition to the activities described above for immunological treatment or prevention of tumors, a protein of the invention may exhibit other anti-tumor activities. A protein may inhibit tumor growth directly or indirectly (such as, for example, via ADCC). A protein may exhibit its tumor inhibitory activity by acting on tumor tissue or tumor precursor tissue, by inhibiting formation of tissues necessary to support tumor growth (such as, for example, by inhibiting angiogenesis), by causing production of other factors, agents or cell types which inhibit tumor growth, or by suppressing, eliminating or inhibiting factors, agents or cell types which promote tumor growth.

Other Activities

A protein of the invention may also exhibit one or more of the following additional activities or effects: inhibiting the growth, infection or function of, or killing, infectious agents, including, without limitation, bacteria, viruses, fungi and other parasites; effecting (suppressing or enhancing) bodily characteristics, including, without limitation, height, weight, hair color, eye color, skin, fat to lean ratio or other tissue pigmentation, or organ or body part size or shape (such as, for example, breast augmentation or diminution, change in bone form or shape); effecting biorhythms or circadian cycles or rhythms; effecting the fertility of male or female subjects; effecting the metabolism, catabolism, anabolism, processing, utilization, storage or elimination of dietary fat, lipid, protein, carbohydrate, vitamins, minerals, cofactors or other nutritional factors or component(s); effecting behavioral characteristics, including, without limitation, appetite, libido, stress, cognition (including cognitive disorders), depression (including depressive disorders) and violent behaviors; providing analgesic effects or other pain reducing effects; promoting differentiation and growth of embryonic stem cells in lineages other than hematopoietic lineages; hormonal or endocrine activity; in the case of enzymes, correcting

deficiencies of the enzyme and treating deficiency-related diseases; treatment of hyperproliferative disorders (such as, for example, psoriasis); immunoglobulin-like activity (such as, for example, the ability to bind antigens or complement); and the ability to act as an antigen in a vaccine composition to raise an immune response against such protein or another material or entity which is cross-reactive with such protein.

Neural disorders in general include Parkinson's disease, Alzheimer's disease, Huntington's disease, multiple sclerosis, amyotrophic lateral sclerosis (ALS), peripheral neuropathy, tumors of the nervous system, exposure to neurotoxins, acute brain injury, peripheral nerve trauma or injury, and other neuropathies, epilepsy, and/or tremors.

10 EQUIVALENTS

From the foregoing detailed description of the specific embodiments of the invention, it should be apparent that particular novel compositions and methods involving nucleic acids, polypeptides, antibodies, detection and treatment have been described. Although these particular embodiments have been disclosed herein in detail, this has been done by way of example for purposes of illustration only, and is not intended to be limiting with respect to the scope of the appended claims that follow. In particular, it is contemplated by the inventors that various substitutions, alterations, and modifications may be made as a matter of routine for a person of ordinary skill in the art to the invention without departing from the spirit and scope of the invention as defined by the claims. Indeed, various modifications of the invention in addition to those described herein will become apparent to those skilled in the art from the foregoing description and accompanying figures. Such modifications are intended to fall within the scope of the appended claims.

THIS PAGE INTENTIONALLY LEFT BLANK

THIS PAGE INTENTIONALLY LEFT BLANK

THIS PAGE INTENTIONALLY LEFT BLANK

THIS PAGE INTENTIONALLY LEFT BLANK

THIS PAGE INTENTIONALLY LEFT BLANK

THIS PAGE INTENTIONALLY LEFT BLANK

THIS PAGE INTENTIONALLY LEFT BLANK

THIS PAGE INTENTIONALLY LEFT BLANK

Table 1

| ORF# | Internal Identification Number | Protein similarity | Protein domain | Protein Classification | Cells or Tissues in which Gene is Expressed |
|------|--------------------------------|--|---|------------------------|--|
| 1 | 13076366 (1, 2) | Novel Protein sim. GBank gij4691395[embjCAB41562.1] - (AL049727) putative large secreted protein [Streptomyces coelicolor] | | UNCLASSIFIED | 264636 |
| 2 | 80248091 (3, 4) | Novel Protein sim. GBank gij2829508[spjP71559]SUCC_MYCTU - SUCCINYL-COA SYNTHETASE BETA CHAIN (SCS-BETA) | Contains protein domain (PF00549) - CoA-ligases | UNCLASSIFIED | 264907, 264600, 264602, 264762, 264769, 264689, 264638, 264567 |
| 3 | 80415924 (5, 6) | | | UNCLASSIFIED | 264910, 264604, 264634, 264905, 264636, 264691, 264907, 264692, 264629 |
| 4 | 82018837 (7, 8) | | | UNCLASSIFIED | 264908, 264909, 264760, 264628, 264635 |
| 5 | 79970035 (9, 10) | | | UNCLASSIFIED | 22279002, 264563 |
| 6 | 79842462 (11, 12) | | Contains protein domain (PF00127) - Copper binding proteins, plastocyanin/azurin family | UNCLASSIFIED | 264908 |
| 7 | 85515576 (13, 14) | Novel Protein sim. GBank gij4415926[gb AAD20157] - (AC006282) unknown protein [Arabidopsis thaliana] | | UNCLASSIFIED | 20281099, 35696052, 264508, 264509, 264905, 264906, 264907, 264908, 264909, 264511, 265006, 264512, 265009, 264910, 264595, 264596, 264758, 264603, 264604, 264760, 264762, 264683, 264766, 264767, 264689, 35695917, 264628, 264690, 264692, 264693, 33657109, 264628, 264629, 35696423, 55811576, 35695855, 264630, 264631, 264632, 264634, 264636, 264637, 264638, 264639, 18108385, 264563, 264564, 264566, 264486 |
| 8 | 56924278 (15, 16) | Novel Protein sim. GBank gij585562[spjQ06458]NIRB_KLEPN - NITRITE REDUCTASE (NAD(P)H) LARGE SUBUNIT | | reductase | 264907 |
| 9 | 79394457 (17, 18) | | | UNCLASSIFIED | 265007, 265019, 263972 |
| 10 | 79556459 (19, 20) | | | UNCLASSIFIED | 264908 |
| 11 | 20414027 (21, 22) | | | UNCLASSIFIED | 264605 |
| 12 | 94141210 (23, 24) | Novel Protein sim. GBank gij3878145[embjCAA99871] - (Z75543) similar to potassium channel protein [Caenorhabditis elegans] | | misc_channel | 264259, 265007, 83373044 |
| 13 | 20750551 (25, 26) | | | UNCLASSIFIED | 264556, 264557, 264564 |
| 14 | 95105114 (27, 28) | Novel Protein sim. GBank gij2832781[embjCAA12645] - (AJ225805) inward potassium channel alpha subunit [Egeria densa] | Contains protein domain (PF00023) - Ank repeat | potassium_channel | 35696286, 35696052, 264510, 35695917, 264691, 264628, 35696423, 264555, 264558, 264559, 83373044 |
| 15 | 20456307 (29, 30) | Novel Protein sim. GBank gij1710791[spjQ10234]RT05_SCHPO - PROBABLE MITOCHONDRIAL 40S RIBOSOMAL PROTEIN S5 | Contains protein domain (PF00333) - Ribosomal protein S5 | ribosomalprot | 264604 |
| 16 | 20760356 (31, 32) | | | | 264555 |

| | | | | | |
|----|-------------------|---|---|---|--|
| 17 | 20292744 (33, 34) | Novel Protein sim. GBank gij1174884 sp P44391 URE1_HAEIN - UREASE ALPHA SUBUNIT (UREA AMIDOHYDROLASE) | Contains protein domain (PF00449) - Urease | 264600 | |
| 18 | 80246804 (35, 36) | Novel Protein sim. GBank gij2281102 (AC002333) - SF16 isolat [Arabidopsis thaliana] | | 29331827, 264555, 264557, 264638, 264558 | |
| 19 | 80076624 (37, 38) | Novel Protein sim. GBank gij2506112 sp P43672 UUP_ECOLI - ABC TRANSPORTER ATP-BINDING PROTEIN UUP | UNCLASSIFIED transport | 22278998, 264907, 264910, 264600, 264693 | |
| 20 | 20724558 (39, 40) | Novel Protein sim. GBank gij11730203 sp P50442 GATM_RAT - GLYCINE AMIDINOTRANSFERASE PRECURSOR (L- ARGININE:GLYCINE AMIDINOTRANSFERASE) (TRANSAMIDINASE) (AT) | UNCLASSIFIED | 22278995, 264906, 265008, 265010, 265011, 264602, 264605, 264768, 264688, 21908784, 264691, 18108376, 264636, 18108387, 264486 | |
| 21 | 80417554 (41, 42) | Novel Protein sim. GBank gij11730203 sp P50442 GATM_RAT - GLYCINE AMIDINOTRANSFERASE PRECURSOR (L- ARGININE:GLYCINE AMIDINOTRANSFERASE) (TRANSAMIDINASE) (AT) | UNCLASSIFIED | 22278995, 264906, 265008, 265010, 265011, 264602, 264605, 264768, 264688, 21908784, 264691, 18108376, 264636, 18108387, 264486 | |
| 22 | 11705858 (43, 44) | Novel Protein sim. GBank gij1877329 emb CAB07077 - (Z92771) fadE25 [Mycobacterium tuberculosis] | Contains protein domain (PF00441) - Acyl-CoA dehydrogenase | 264685 | |
| 23 | 80419178 (45, 46) | Novel Protein sim. GBank gij1877329 emb CAB07077 - (Z92771) fadE25 [Mycobacterium tuberculosis] | Contains protein domain (PF00441) - Acyl-CoA dehydrogenase | 264685 | |
| 24 | 20291697 (47, 48) | Novel Protein sim. GBank gij1877329 emb CAB07077 - (Z92771) fadE25 [Mycobacterium tuberculosis] | Contains protein domain (PF00441) - Acyl-CoA dehydrogenase | 264685 | |
| 25 | 80253774 (49, 50) | Novel Protein sim. GBank gij1877329 emb CAB07077 - (Z92771) fadE25 [Mycobacterium tuberculosis] | Contains protein domain (PF00441) - Acyl-CoA dehydrogenase | 264685 | |
| 26 | 80255394 (51, 52) | Novel Protein sim. GBank gij1877329 emb CAB07077 - (Z92771) fadE25 [Mycobacterium tuberculosis] | Contains protein domain (PF00441) - Acyl-CoA dehydrogenase | 264685 | |
| 27 | 80235795 (53, 54) | Novel Protein sim. GBank gij1877329 emb CAB07077 - (Z92771) fadE25 [Mycobacterium tuberculosis] | Contains protein domain (PF00441) - Acyl-CoA dehydrogenase | 264685 | |
| 28 | 79483561 (55, 56) | Novel Protein sim. GBank gij1877329 emb CAB07077 - (Z92771) fadE25 [Mycobacterium tuberculosis] | Contains protein domain (PF00441) - Acyl-CoA dehydrogenase | 264685 | |
| 29 | 82448765 (57, 58) | Novel Protein sim. GBank gij1877329 emb CAB07077 - (Z92771) fadE25 [Mycobacterium tuberculosis] | Contains protein domain (PF00441) - Acyl-CoA dehydrogenase | 264685 | |
| 30 | 78199333 (59, 60) | Novel Protein sim. GBank gij1877329 emb CAB07077 - (Z92771) fadE25 [Mycobacterium tuberculosis] | Contains protein domain (PF00441) - Acyl-CoA dehydrogenase | 264685 | |
| 31 | 19848158 (61, 62) | Novel Protein sim. GBank gij1877329 emb CAB07077 - (Z92771) fadE25 [Mycobacterium tuberculosis] | Contains protein domain (PF00441) - Acyl-CoA dehydrogenase | 264685 | |
| 32 | 82449495 (63, 64) | Novel Protein sim. GBank gij1877329 emb CAB07077 - (Z92771) fadE25 [Mycobacterium tuberculosis] | Contains protein domain (PF00441) - Acyl-CoA dehydrogenase | 264685 | |
| 33 | 79582628 (65, 66) | Novel Protein sim. GBank gij1877329 emb CAB07077 - (Z92771) fadE25 [Mycobacterium tuberculosis] | Contains protein domain (PF00441) - Acyl-CoA dehydrogenase | 264685 | |
| 34 | 87467657 (67, 68) | Novel Protein sim. GBank gij1877329 emb CAB07077 - (Z92771) fadE25 [Mycobacterium tuberculosis] | Contains protein domain (PF00441) - Acyl-CoA dehydrogenase | 264685 | |
| 35 | 95005170 (69, 70) | Novel Protein sim. GBank gij1877329 emb CAB07077 - (Z92771) fadE25 [Mycobacterium tuberculosis] | Contains protein domain (PF00441) - Acyl-CoA dehydrogenase | 264685 | |
| 36 | 19642042 (71, 72) | Novel Protein sim. GBank gij1877329 emb CAB07077 - (Z92771) fadE25 [Mycobacterium tuberculosis] | Contains protein domain (PF00441) - Acyl-CoA dehydrogenase | 264685 | |
| 37 | 20369215 (73, 74) | Novel Protein sim. GBank gij1877329 emb CAB07077 - (Z92771) fadE25 [Mycobacterium tuberculosis] | Contains protein domain (PF00441) - Acyl-CoA dehydrogenase | 264685 | |

| | | | | | | |
|----|---------------------|---|--|---|--------------|--|
| 38 | 20466334 (75, 76) | Novel Protein sim. GBank glj3805970[embjCAA06231] - (AJ004933) periplasmic nitrate reductase, large subunit [Rhodopseudomonas sp.] | | | reductase | 264605 |
| 39 | 94300715 (77, 78) | Novel Protein sim. GBank glj1929449 (L63543) - endodermin [Xenopus laevis] | | Contains protein domain (PF00207) - Alpha-2-macroglobulin family | complement | 264905, 264906, 264907, 66712502, 264908, 264909, 264511, 265009, 264910, 55812038, 264758, 265011, 264762, 264682, 264763, 264784, 264766, 265022, 264693, 264628, 264631, 264634, 264635, 264555, 264638, 18108381, 264558, 18108385, 264482 |
| 40 | 20635625 (79, 80) | | | | UNCLASSIFIED | 264592 |
| 41 | 80023287 (81, 82) | Novel Protein sim. GBank glj854065[embjCAA58337] - (X83413) U88 [Human herpesvirus 6] | | | | 264591, 35695917 |
| 42 | 20724566 (83, 84) | | | | UNCLASSIFIED | 264602 |
| 43 | 20467069 (85, 86) | Novel Protein sim. GBank glj3820584 (AF086791) - carbamoylphosphate synthetase large subunit [Zymomonas mobilis] | | | synthase | 264605 |
| 44 | 13085297 (87, 88) | Novel Protein sim. GBank glj2494784[spjQ50729]GUAA_MYCTU - GMP SYNTHASE (GLUTAMINE-HYDROLYZING) (GLUTAMINE AMIDOTRANSFERASE) (GMP SYNTHETASE) | | Contains protein domain (PF00958) - GMP synthase C terminal domain | synthase | 264769, 264636 |
| 45 | 39384711 (89, 90) | Novel Protein sim. GBank glj1881738 (U89686) - myosin-I binding protein Acan125 [Acanthamoeba castellanii] | | | UNCLASSIFIED | 264769, 264510, 264508 |
| 46 | 95003398 (91, 92) | | | | ngf | 264566 |
| 47 | 11698624 (93, 94) | | | | UNCLASSIFIED | 264689 |
| 48 | 79407218 (95, 96) | | | | | 18108385, 264635, 264828 |
| 49 | 21659844 (97, 98) | | | | UNCLASSIFIED | 264603 |
| 50 | 80503996 (99, 100) | | | | | 264508, 264603, 264769, 264689, 264636, 264558, 264486 |
| 51 | 80255569 (101, 102) | Novel Protein sim. GBank glj3411177 (AF076240) - MocC [Rhizobium leguminosarum bv. viciae] | | | UNCLASSIFIED | 264593, 18108387 |
| 52 | 79208528 (103, 104) | Novel Protein sim. GBank glj3914992[spjQ28264]SM41_HEMPU - 41 KD SPICULE MATRIX PROTEIN PRECURSOR (HSM41) (HPSMC) | | | struct | 264634 |
| 53 | 36969970 (105, 106) | Novel Protein sim. GBank glj3980411 (AC004561) - putative proline-rich protein [Arabidopsis thaliana] | | | UNCLASSIFIED | 264762 |
| 54 | 79570897 (107, 108) | | | | UNCLASSIFIED | 264630, 264909, 264766 |
| 55 | 80202703 (109, 110) | Novel Protein sim. GBank glj1633572 (U52064) - Herpesvirus salmuri ORF73 homolog [Kaposi's sarcoma-associated herpes-like virus] | | | | 29331824, 264102, 265018, 18108376 |
| 56 | 8758408 (111, 112) | Novel Protein sim. GBank glj4321580[gbjAAD15785] - (AF050114) alginatase [Pseudomonas sp. W7] | | | | 264604 |
| 57 | 11223386 (113, 114) | | | Contains protein domain (PF00076) - RNA recognition motif. (a.k.a. RRM, RBD, or RNP domain) | UNCLASSIFIED | 264557 |

| | | | | |
|----|---------------------|--|--|---|
| 58 | 91227508 (115, 116) | Novel Protein sim. GBank gi 5616074 gb AAD45616.1 AF08194 - (AF081943) protease- derived STE20-like kinase PSK [Homo sapiens] | Contains protein domain (PF00069) - kinase Eukaryotic protein kinase domain | 56182575, 264259, 60432049, 35696052, 66712502, 264909, 265008, 265010, 265011, 264681, 29148784, 35695917, 60170615, 264691, 264692, 264693, 18108374, 35696423, 56182323, 60432113 264600, 264689, 264638 |
| 59 | 80077371 (117, 118) | Novel Protein sim. GBank gi 1172920 sp P45830 PFE_MYCLE - PUTATIVE UNDECAPRENYL-PHOSPHATE ALPHA-N- ACETYLGLUCOSAMINYLTFRANSFERASE | Contains protein domain (PF00953) - transferase Glycosyl transferase | |
| 60 | 12958341 (119, 120) | | | |
| 61 | 80426806 (121, 122) | Novel Protein sim. GBank gi 1710216 (U79260) - unknown [Homo sapiens] | glycoprotein | 264689 264766 |
| 62 | 13504966 (123, 124) | | | |
| 63 | 16474553 (125, 126) | | | |
| 64 | 20724578 (127, 128) | Novel Protein sim. GBank gi 420945 pir J447041 - transposase homolog (insertion element ISAE1) - Alcaligenes eutrophus | UNCLASSIFIED UNCLASSIFIED | 264630 265019 264602 |
| 65 | 79326308 (129, 130) | Novel Protein sim. GBank gi 3122312 sp O06134 KPYK_MYCTU - PYRUVATE KINASE (PK) | Contains protein domain (PF00224) - kinase Pyruvate kinase | 264563 |
| 66 | 46854384 (131, 132) | Novel Protein sim. GBank gi 3928723 emb CAA22218 - (AL034355) putative ABC transporter (Streptomyces coelicolor) | transport | 22278996, 264558 |
| 67 | 78952543 (133, 134) | Novel Protein sim. GBank gi 231985 sp P30234 DHA_MYCTU - ALANINE DEHYDROGENASE (40 KD ANTIGEN) | dehydrogenase | 265021 |
| 68 | 79817382 (135, 136) | | | |
| 69 | 79841764 (137, 138) | | | |
| 70 | 79871329 (139, 140) | | | |
| 71 | 65897456 (141, 142) | | UNCLASSIFIED | 264909 264908 |
| 72 | 87734977 (143, 144) | Novel Protein sim. GBank gi 4415926 gb AAD20157 - (AC006282) unknown protein [Arabidopsis thaliana] | UNCLASSIFIED UNCLASSIFIED | 264906, 264908 264602, 265021 264488, 264905, 264906, 264907, 264908, 264511, 265008, 264910, 264758, 87168474, 264682, 264766, 264686, 264689, 35695917, 265021, 60170615, 264691, 33657023, 264692, 264693, 264629, 264631, 264639, 22279000 |
| 73 | 80025241 (145, 146) | | UNCLASSIFIED | 60424179, 264508, 264908, 265007, 264603, 264687, 264689, 264692, 18108387 |
| 74 | 20377410 (147, 148) | | | |
| 75 | 11819032 (149, 150) | Novel Protein sim. GBank gi 2853098 emb CAA16914 - (AL021767) vacuolar protein sorting [Schizosaccharomyces pombe] | UNCLASSIFIED UNCLASSIFIED | 264605 264689 |
| 76 | 95105303 (151, 152) | Novel Protein sim. GBank gi 4468811 emb CAB38212 - (AL035601) putative protein [Arabidopsis thaliana] | UNCLASSIFIED | 83373044, 264906, 264557 |
| 77 | 10144718 (153, 154) | Novel Protein sim. GBank gi 854065 emb CAA58337 - (X83413) U88 [Human herpesvirus 6] | UNCLASSIFIED | 264563 |
| 78 | 8758258 (155, 156) | | UNCLASSIFIED | 264604 |

| | | | | | |
|----|---------------------|--|---|--|--|
| 79 | 94140190 (157, 158) | Novel Protein sim. GBank gij5699453[d]BAA83010.1] - (AB028981) KIAA1058 protein [Homo sapiens] | Contains protein domain (PF00169) - PH domain | | 35696286, 22278998, 29331822, 29331824, 29331825, 29331827, 264905, 264906, 264907, 66712502, 264908, 264909, 265008, 265009, 264910, 60170831, 55812036, 33109954, 265017, 265018, 264288, 264768, 56181562, 21906765, 21906769, 29148784, 265020, 264690, 264691, 264692, 264693, 60431528, 35696423, 264631, 264632, 264634, 264636, 264639, 83373044, 264564, 264566, 264567 |
| 80 | 82314840 (159, 160) | | UNCLASSIFIED | | 264769, 264601, 265006, 264910, 264604, 264605, 264634, 264635, 264905, 264762, 264637, 264592, 264628, 264907, 264691, 264908, 264567, 264909, 264766 |
| 81 | 20467247 (161, 162) | Novel Protein sim. GBank gij1723442[sp]Q102581YD2A_SCHPO - HYPOTHETICAL 69.0 KD PROTEIN C56F8.10 IN CHROMOSOME I | reductase | | 264605 |
| 82 | 16331388 (163, 164) | Novel Protein sim. GBank gij2895866 (AF045770) - methylmalonate semi-aldehyde dehydrogenase [Oryza sativa] | dehydrogenase | | 264567 |
| 83 | 94741180 (165, 166) | Novel Protein sim. GBank gij3402673 (AC004697) - unknown protein [Arabidopsis thaliana] | UNCLASSIFIED | | 264488, 264508, 264509, 264905, 264908, 264909, 264511, 264591, 264593, 264594, 264595, 264596, 264758, 264603, 264760, 264681, 18108351, 264762, 264682, 264764, 264684, 264766, 264686, 264632, 264637, 264557, 264638, 264639, 18108385, 264566 |
| 84 | 80355375 (167, 168) | Novel Protein sim. GBank gij173364[sp]P45380SAT1_RAT - SULFATE ANION TRANSPORTER 1 (CANALICULAR SULFATE TRANSPORTER) (SULFATE/CARBONATE ANTI-PORTER) | transport | | 264508, 264906, 264907, 264908, 264909, 264910, 264760, 264763, 264764, 264766, 264768, 264769, 35695855, 264636, 264637 |
| 85 | 80499600 (169, 170) | Novel Protein sim. GBank gij2120998[pir]S70682 - glycosyltransferase homolog - Bordetella pertussis | transferase | | 264605, 264762, 264687, 264769, 18108374, 264636, 264486 |
| 86 | 39559043 (171, 172) | Novel Protein sim. GBank gij3256023[emb]CAA17228.1] - (AL021897) hypothetical protein Rv1112 [Mycobacterium tuberculosis] | | | 264910 |
| 87 | 13856808 (173, 174) | | UNCLASSIFIED | | 264093 |

| | | | | |
|----|---------------------|---|--------------------------------|--|
| 88 | 95344718 (175, 176) | Novel Protein sim. GBank gjl559703[dbj BAA07552] - (D38549) ha1025 is new [Homo sapiens] | | 52644507, 52646365, 18108398, 65274572, 56182575, 56994075, 35696286, 22278997, 22278998, 22278999, 264092, 264093, 264094, 264095, 264259, 29331822, 29331824, 56182181, 66714117, 29331825, 29331826, 60432289, 29331827, 29331828, 35696052, 33656970, 264105, 264508, 264905, 264906, 264907, 264908, 28331830, 66712502, 52644045, 56182435, 265007, 265009, 264910, 60170831, 264592, 60431735, 60433356, 33657402, 264757, 60433438, 55812038, 264758, 21906754, 52646317, 33109954, 52644296, 87168474, 265011, 87168559, 264601, 265017, 265018, 264604, 265019, 264448, 264369, 264288, 264766, 52644229, 21906768, 21906767, 21906768, 21906769, 55811957, 35695917, 265020, 265021, 265022, 60170615, 52644150, 33657023, 65274620, 33657109, 27486261, 27486264, 33657349, 35695763, 264628, 263972, 18108374, 55810764, 35696423, 55811576, 65274791, 35695855, 60431850, 264636, 52644332, 56182323, 60170394, 83373044, 18108385, 18108387, 18108388, 56526486, 87168518, 60432113, 22279000, 22279002, 264482, 264564, 264486, 264600 |
| 89 | 80077389 (177, 178) | Novel Protein sim. GBank gjl1710383[sp P46352 RIPX_BACSU - PROBABLE INTEGRASE/RECOMBINASE RIPX | | |
| 90 | 82115998 (179, 180) | | | |
| 91 | 78906950 (181, 182) | Novel Protein sim. GBank gjl2499891[sp P76403 YEGQ_ECOLI - PUTATIVE PROTEASE IN BAER-OGRK INTERGENIC REGION | UNCLASSIFIED protease | 264760 265006 |
| 92 | 79554871 (183, 184) | Novel Protein sim. GBank gjl3367754[emb CAA20079] - (AL031155) hypothetical protein SC3A7.16c [Streptomyces coelicolor] | UNCLASSIFIED | 264691 |
| 93 | 80496778 (185, 186) | Novel Protein sim. GBank gjl2895095 (AF011337) - putative E1-E2 ATPase [Mus musculus] | | |
| 94 | 79646649 (187, 188) | Novel Protein sim. GBank gjl1171919[sp P46920 OPUA_BACSU - GLYCINE BETAINES TRANSPORT ATP-BINDING PROTEIN OPUAA | ATPase-associated transport | 264907, 264908, 264910, 265009, 264605, 264769, 264906 |
| 95 | 11090238 (189, 190) | | | 264594 |

| | | | | |
|-----|---------------------|--|---|--|
| 98 | 94322125 (191, 192) | Novel Protein sim. GBank gij4589560jdbjBAA76802.1j - (AB023175) KIAA0958 protein (Homo sapiens) | UNCLASSIFIED | 22278995, 22278999, 264259, 29331822, 29331826, 35696052, 29146499, 264509, 264906, 264907, 264908, 264909, 265007, 265008, 264910, 265009, 264593, 265010, 265017, 264604, 265019, 18108351, 264288, 264766, 264768, 264769, 21906765, 21906767, 21906769, 265020, 264692, 33657182, 35695763, 264628, 264629, 18108379, 264631, 264636, 18108381, 264559, 18108382, 83373044, 22279002, 264508 |
| 97 | 79605200 (193, 194) | Novel Protein sim. GBank gij4583559jembjCAB40388.1j - (AJ005255) OxyR [Erwinia chrysanthemi] | UNCLASSIFIED | 264909 |
| 98 | 79427000 (195, 196) | Novel Protein sim. GBank gij1001693jdbjBAA10430j - (D64002) hypothetical protein [Synecocystis sp.] | UNCLASSIFIED | 264605 |
| 99 | 20466524 (197, 198) | Novel Protein sim. GBank gij1169479jspiP43925jEFG_HAEIN - ELONGATION FACTOR G (EF-G) | UNCLASSIFIED | 264693 |
| 100 | 79840113 (199, 200) | Novel Protein sim. GBank gij480897jpijS37485 - gene msg1 protein - mouse | UNCLASSIFIED | 265020, 264102, 263972 |
| 101 | 80203298 (201, 202) | Novel Protein sim. GBank gij2894166jembjCAA11773.1j - (AJ223998) PCZA361.18 [Amiclatopsis orientalis] | synthase | 264605 |
| 102 | 20467259 (203, 204) | Novel Protein sim. GBank gij1731040jspiP54509jYQHH_BACSU - HYPOTHETICAL HELICASE IN SINI-GCVT INTERGENIC REGION | Contains protein domain (PF00271) - helicase Helicases conserved C-terminal domain | 264605 |
| 103 | 20466388 (205, 206) | Novel Protein sim. GBank gij854085jembjCAA58337j - (X83413) U88 [Human herpesvirus 6] | UNCLASSIFIED | 264591, 264595, 264602 |
| 104 | 80247572 (207, 208) | Novel Protein sim. GBank gij1685117 (U70770) - furrowed [Drosophila melanogaster] | Contains protein domain (PF00084) - Sushi domain (SCR repeat) | 264508 |
| 105 | 79605206 (209, 210) | Novel Protein sim. GBank gij1705505jspiP54729jBS4_MOUSE - BS4 PROTEIN | Contains protein domain (PF00627) - UBA domain | 264511, 265009 |
| 106 | 28382058 (211, 212) | Novel Protein sim. GBank gij4887229jgIAAD32244.1jAF15075 - (AF150755) microtubule-actin crosslinking factor [Mus musculus] | ATPase-associated | 29331824, 264591, 21906754, 265019 |
| 107 | 80057791 (213, 214) | Novel Protein sim. GBank gij263577jembjCAB15264j - (Z99120) similar to ABC transporter (ATP-binding protein) [Bacillus subtilis] | transport | 18108374, 35695917, 22278996, 264113, 264600, 264602, 264603, 265017, 264910, 264906, 264636, 264766 |
| 108 | 80237836 (215, 216) | Novel Protein sim. GBank gij233079jembjCAB11265j - (Z98601) carboxypeptidase s precursor [Schizosaccharomyces pombe] | UNCLASSIFIED | 264758, 264603, 264630, 264636, 264637 |
| 109 | 95194148 (217, 218) | | | |
| 110 | 79582823 (219, 220) | | | 264687 |
| 111 | 39565458 (221, 222) | | | 264564 |
| 112 | 79856038 (223, 224) | | UNCLASSIFIED | 264908 |
| 113 | 17959439 (225, 226) | | UNCLASSIFIED | 265007 |
| 114 | 80502101 (227, 228) | | UNCLASSIFIED | 264769 |

| | | | | | |
|-----|---------------------|--|--|----------------------------|--|
| 115 | 80251003 (229, 230) | Novel Protein sim. GBank gi 2246532 (U93872) - ORF 73, contains large complex repeat CR 73 [Kaposi's sarcoma-associated herpesvirus] | | UNCLASSIFIED | 52645156, 52645080, 33656970, 264592, 21908754, 27486264, 18108378, 35696423, 264635, 52644332, 18108382 |
| 116 | 81298688 (231, 232) | | | | 284905, 284906, 284907, 284908, 284909, 284910, 284758, 285010, 264763, 264682, 264764, 264766, 264685, 264686, 264768, 264769, 33657023, 284693, 33657109, 284628, 18108374, 264631, 264632, 264634, 264636, 284637, 284638, 284639, 56528486, 284565, 264566 |
| 117 | 79636695 (233, 234) | | | | 284639, 284693 |
| 118 | 80222170 (235, 236) | | Contains protein domain (PF00170) - bZIP transcription factor | UNCLASSIFIED | 263974 |
| 119 | 91013071 (237, 238) | Novel Protein sim. GBank gi 732526 (U22327) - alpha2(IV) collagen [Caenorhabditis elegans] | | UNCLASSIFIED | 22278996, 29331824, 60432289, 265007, 60433438, 264603, 264605, 18108351, 264769, 264689, 265020, 284534, 27486261, 264558, 83373044, 18108385, 264564 |
| 120 | 8756491 (239, 240) | Novel Protein sim. GBank gi 2131219 pir S0157 - cyclin-dependent kinase chain SRB10 - yeast (Saccharomyces cerevisiae) | | kinase | 264603 |
| 121 | 80026153 (241, 242) | | | | 264595 |
| 122 | 20457620 (243, 244) | Novel Protein sim. GBank gi 2052147 emb CAB08137 - (Z94752) ksgA [Mycobacterium tuberculosis] | Contains protein domain (PF00398) - Ribosomal RNA adenine dimethylases | transferase | 264605 |
| 123 | 8758278 (245, 246) | | | | 264604 |
| 124 | 79104017 (247, 248) | Novel Protein sim. GBank gi 2833385 sp Q43134 UGST_SORBI - GRANULE-BOUND GLYCOGEN (STARCH) SYNTHASE PRECURSOR | | synthase | 18108394, 18108397, 265006, 265007, 265008, 265010, 265011, 18108355, 18108379, 18108380, 18108384 |
| 125 | 87797988 (249, 250) | Novel Protein sim. GBank gi 475542 (U08255) - glutamate receptor delta-1 subunit [Rattus norvegicus] | Contains protein domain (PF00060) - Ligand-gated ion channel | misc_channel | 264508, 264906, 265009, 264596, 22278002 |
| 126 | 56701283 (251, 252) | Novel Protein sim. GBank gi 5102785 emb CAB45200.1 - (AL079308) putative transcriptional regulator [Streptomyces coelicolor] | | | 264511 |
| 127 | 20467267 (253, 254) | | | | |
| 128 | 80248473 (255, 256) | Novel Protein sim. GBank gi 130120 sp P23620 PHOB_PSEAE - PHOSPHATE REGULON TRANSCRIPTIONAL REGULATORY PROTEIN PHOB | Contains protein domain (PF00072) - Response regulator receiver domain | UNCLASSIFIED - phosphatase | 264605, 264907, 264909, 264910, 264600, 264601, 264603, 264605, 18108351, 264693, 264557 |
| 129 | 95290543 (257, 258) | Novel Protein sim. GBank gi 2506493 sp P38036 YGC_ECOLI - HYPOTHETICAL 100.5 KD PROTEIN IN JAP-CYSH INTERGENIC REGION | Contains protein domain (PF00270) - DEAD/DEAH box helicase | UNCLASSIFIED | 35696423, 35695855, 264600, 264602, 264603, 264604, 264605, 264508, 264906, 264584, 264628, 264682, 264565, 264683, 264634 |
| 130 | 80085583 (259, 260) | Novel Protein sim. GBank gi 854065 emb CAA58337 - (X83413) U88 [Human herpesvirus 6] | | | |
| 131 | 94995022 (261, 262) | Novel Protein sim. GBank gi 1076038 pir S54860 - ABC transporter PsIC-2 chain - Mycobacterium tuberculosis | Contains protein domain (PF00528) - Binding-protein-dependent transport systems inner membrane component | transport | 18108376, 264769, 29331825, 264689, 22278996, 265021, 264600, 264511, 264601, 264602, 264605, 264905, 264636 |

| | | | | | |
|-----|---------------------|---|---|---------------|--|
| 132 | 10887692 (263, 264) | Novel Protein sim. GBank gjl1877340[emb]CAB07068] - (Z92771) accA3 [Mycobacterium tuberculosis] | Contains protein domain (PF00289) - Carbamoyl-phosphate synthase (CPSase) | carboxylase | 264636 |
| 133 | 94630883 (265, 266) | Novel Protein sim. GBank gjl4585838[emb]CAB40932.1] - (AL049630) putative NADH dehydrogenase [Streptomyces coelicolor] | | dehydrogenase | 264905, 264689 |
| 134 | 79834660 (267, 268) | Novel Protein sim. GBank gjl1460074[emb]CAB01049] - (Z77250) hypothetical protein Rv2566 [Mycobacterium tuberculosis] | | | 264905, 264605, 265021 |
| 135 | 19885057 (269, 270) | Novel Protein sim. GBank gjl2125896[emb]CAA73511] - (Y13070) folypolyglutamate synthase [Streptomyces coelicolor] | | synthase | 264634 |
| 136 | 79846083 (271, 272) | Novel Protein sim. GBank gjl5420387[emb]CAB46679.1] - (AJ243459) proteophosphoglycan [Leishmania major] | | | 264508 |
| 137 | 79619770 (273, 274) | Novel Protein sim. GBank gjl5689912[emb]CAB52075.1] - (AL109732) putative mutase [Streptomyces coelicolor A3(2)] | Contains protein domain (PF01817) - Chorismate mutase | dehydrogenase | 264683, 264685, 264686, 264691, 264692, 264693 |
| 138 | 79635971 (275, 276) | Novel Protein sim. GBank gjl3581916[emb]CAA20855] - (AL031545) multis family DNA mismatch repair protein [Schizosaccharomyces pombe] | | UNCLASSIFIED | 18108374, 18108385, 33657109, 33657182, 265010, 22278998, 265008, 265007, 265008, 265009, 264693 |
| 139 | 86688076 (277, 278) | Novel Protein sim. GBank gjl3757569[emb]CAA21315] - (AL031863) 1-evidence=predicted by content; 1-method=genefinder;084; 1-method_score=66.31; 1-evidence_end [Drosophila melanogaster] | | UNCLASSIFIED | 22278996, 265007, 264910, 60433356, 265010, 264602, 264605, 264766, 264688, 264769, 264693, 32833986, 18108374, 18108387 |
| 140 | 79825759 (279, 280) | Novel Protein sim. GBank gjl140807[isp]P24536[Y121_BURCE - INSERTION ELEMENT IS402 HYPOTHETICAL 24 KD PROTEIN] | | UNCLASSIFIED | 264908 |
| 141 | 20700094 (281, 282) | Novel Protein sim. GBank gjl2827608[emb]CAA16663] - (AL021646) uvrD2 [Mycobacterium tuberculosis] | Contains protein domain (PF01675) - Transposase | | 264600 |
| 142 | 80028104 (283, 284) | Novel Protein sim. GBank gjl2916947[emb]CAA17585] - (AL021999) hypothetical protein Rv0986 [Mycobacterium tuberculosis] | | nuclease | 263978, 264600, 264910, 264632, 264508, 264563, 264564, 264591, 264556, 264908, 264629, 264639 |
| 143 | 11072274 (285, 286) | Novel Protein sim. GBank gjl3757569[emb]CAA21315] - (AL031863) 1-evidence=predicted by content; 1-method=genefinder;084; 1-method_score=66.31; 1-evidence_end [Drosophila melanogaster] | | UNCLASSIFIED | 264600 |
| 144 | 95009102 (287, 288) | Novel Protein sim. GBank gjl2827608[emb]CAA16663] - (AL021646) uvrD2 [Mycobacterium tuberculosis] | | | 264600 |
| 145 | 80027058 (289, 290) | Novel Protein sim. GBank gjl2916947[emb]CAA17585] - (AL021999) hypothetical protein Rv0986 [Mycobacterium tuberculosis] | | UNCLASSIFIED | 22278996, 264602 |
| 146 | 13085662 (291, 292) | Novel Protein sim. GBank gjl2827608[emb]CAA16663] - (AL021646) uvrD2 [Mycobacterium tuberculosis] | | | 264687 |
| 147 | 94320366 (293, 294) | Novel Protein sim. GBank gjl2827608[emb]CAA16663] - (AL021646) uvrD2 [Mycobacterium tuberculosis] | | helicase | 264905, 264906, 264909, 264510, 265009, 60433356, 264600, 264601, 264604, 264605, 264687, 264769, 18108365, 65274791, 18108387 |
| 148 | 80248804 (295, 296) | Novel Protein sim. GBank gjl2916947[emb]CAA17585] - (AL021999) hypothetical protein Rv0986 [Mycobacterium tuberculosis] | | transport | 265009, 265010, 264600, 264602, 264603, 264604, 264605, 264693, 33657109, 264636 |

| | | | | | |
|-----|---------------------|--|---|----------------|---|
| 149 | 80249373 (297, 298) | Novel Protein sim. GBank gij11723073 sp Q11040 Y081_MYCTU - HYPOTHETICAL ABC TRANSPORTER ATP-BINDING PROTEIN CY50.01 | Contains protein domain (PF00005) - ABC transporter | transport | 265010, 264600, 264601, 264603, 264604, 27486265, 264636 |
| 150 | 20294748 (299, 300) | Novel Protein sim. GBank gij13724125 emb CAA11905 - (AJ224340) maltosephosphorylase [Lactobacillus sanfrancisco] | | | 264600 |
| 151 | 20726398 (301, 302) | Novel Protein sim. GBank gij1729312 sp P07651 DEOB_ECOLI - PHOSPHOPENTOMUTASE (PHOSPHODEOXYRIBOMUTASE) | Contains protein domain (PF01676) - Metalloenzyme superfamily | UNCLASSIFIED | 264602 |
| 152 | 95002877 (303, 304) | Novel Protein sim. GBank gij2497952 sp P55667 Y4TM_RHISN - HYPOTHETICAL HYDROLASE/PEPTIDASE Y4TM | | peptidase | 264602 |
| 153 | 80256665 (305, 306) | Novel Protein sim. GBank gij3123021 sp Q90508 VT1_FUNHE - VITELLOGENIN I PRECURSOR (VTG I) (CONTAINS: LIPOVITELLIN 1 (LV1); PHOSVITIN (PV); LIPOVITELLIN 2 (LV2)) | | UNCLASSIFIED | 264593 |
| 154 | 82305968 (307, 308) | Novel Protein sim. GBank gij419697 pir JUN0443 - transcription initiation factor sigma homolog hrdB - Streptomyces aureofaciens | Contains protein domain (PF00140) - Sigma-70 factor | mapolymerase | 264910, 264762, 264691, 264634 264605 |
| 155 | 20429859 (309, 310) | Novel Protein sim. GBank gij628710 pir S41739 - hypothetical protein - Escherichia coli | | UNCLASSIFIED | 264565 |
| 156 | 39564742 (311, 312) | Novel Protein sim. GBank gij3695013 (AF052586) - CitA [Pseudomonas aeruginosa] | Contains protein domain (PF00142) - 4Fe-4S iron sulfur cluster binding proteins, NifH/HfrC family | hydrolase | 264691 |
| 157 | 10358887 (313, 314) | Novel Protein sim. GBank gij1073072 pir C55543 - cmaU protein - Pseudomonas syringae pv. syringae | | UNCLASSIFIED | 264905 |
| 158 | 79761938 (315, 316) | Novel Protein sim. GBank gij1173023 sp P46789 RL30_STRCO - 50S RIBOSOMAL PROTEIN L30 | Contains protein domain (PF00400) - WD domain, G-beta repeat | UNCLASSIFIED | 265008 264605 |
| 159 | 78890376 (317, 318) | Novel Protein sim. GBank gij5304869 emb CAB46028.1 - (AL031685) dJ963K23.2 (novel protein) [Homo sapiens] | Contains protein domain (PF00327) - Ribosomal protein L30p/L7e | ribosomal prot | 22278996, 264600, 264603, 35695917, 32833986, 35696423, 264636 |
| 160 | 11075119 (319, 320) | Novel Protein sim. GBank gij176177 pir Q9ECFT - hypothetical 38.8K protein (ftsI 5' region) - Escherichia coli | Contains protein domain (PF00097) - Zinc finger, C3HC4 type (RING finger) | interleukin | 264112, 264532, 22279002 |
| 161 | 80055007 (321, 322) | Novel Protein sim. GBank gij2661691 emb CAA15795 - (AL009204) putative protease [Streptomyces coelicolor] | | UNCLASSIFIED | 264639 |
| 162 | 80016371 (323, 324) | Novel Protein sim. GBank gij4416478 gb AAD20378 - (AF125999) transposase [Mycobacterium avium] | | UNCLASSIFIED | 264905, 264907, 264600 264691 |
| 163 | 11692306 (325, 326) | Novel Protein sim. GBank gij176177 pir Q9ECFT - hypothetical 38.8K protein (ftsI 5' region) - Escherichia coli | | UNCLASSIFIED | 264605, 264486 |
| 164 | 80077902 (327, 328) | Novel Protein sim. GBank gij176177 pir Q9ECFT - hypothetical 38.8K protein (ftsI 5' region) - Escherichia coli | | UNCLASSIFIED | 265010 |
| 165 | 10856067 (329, 330) | Novel Protein sim. GBank gij176177 pir Q9ECFT - hypothetical 38.8K protein (ftsI 5' region) - Escherichia coli | | UNCLASSIFIED | 264600 |
| 166 | 88095003 (331, 332) | Novel Protein sim. GBank gij176177 pir Q9ECFT - hypothetical 38.8K protein (ftsI 5' region) - Escherichia coli | | UNCLASSIFIED | 264556, 264557, 264558, 264559 |
| 167 | 16395460 (333, 334) | Novel Protein sim. GBank gij176177 pir Q9ECFT - hypothetical 38.8K protein (ftsI 5' region) - Escherichia coli | | UNCLASSIFIED | |
| 168 | 80079362 (335, 336) | Novel Protein sim. GBank gij176177 pir Q9ECFT - hypothetical 38.8K protein (ftsI 5' region) - Escherichia coli | | UNCLASSIFIED | |
| 169 | 80239581 (337, 338) | Novel Protein sim. GBank gij176177 pir Q9ECFT - hypothetical 38.8K protein (ftsI 5' region) - Escherichia coli | | UNCLASSIFIED | |

| | | | | | |
|-----|---------------------|---|--|--|---------------|
| 170 | 79612364 (339, 340) | Novel Protein sim. GBank | Contains protein domain (PF01810) - | 264906 | |
| 171 | 95293073 (341, 342) | gi 140888 sp P27847 YIGK_ECOLI - HYPOTHETICAL 15.4 KD PROTEIN IN RECO-PLDB INTERGENIC REGION (F138) | LysE type translocator | 264595, 264604 | |
| 172 | 37797007 (343, 344) | Novel Protein sim. GBank gi 4210905 gb AAD12048.1 - (AF045609) AgIG [Sinorhizobium meliloti] | Contains protein domain (PF00528) - Binding-protein-dependent transport systems inner membrane component | 264769 | transport |
| 173 | 57529660 (345, 346) | Novel Protein sim. GBank gi 132854 sp P02387 RL2_ECOLI - 50S RIBOSOMAL PROTEIN L2 | Contains protein domain (PF00181) - Ribosomal Proteins L2 | 264769 | ribosomalprot |
| 174 | 95293078 (347, 348) | Novel Protein sim. GBank gi 1881350 dbj BAA19377 - (AB001488) PROBABLE TRANSPORT PROTEIN, SIMILAR TO ANTIBIOTIC TRANSPORT-ASSOCIATED PROTEIN ACTII IN STREPTOMYCES COELICOLOR. [Bacillus subtilis] | | 264510, 264593, 264602, 264603, 264605, 264762, 264693 | transport |
| 175 | 79756270 (349, 350) | Novel Protein sim. GBank gi 2072722 emb CAB08326 - (Z95121) manA [Mycobacterium tuberculosis] | | 264565 | isomerase |
| 176 | 80066898 (351, 352) | Novel Protein sim. GBank gi 1055198 (U40187) - similar to PIR:A41724 chicken LD (limb deformity) gene product and to formin; also P-rich region similar to collagen [Caenorhabditis elegans] | UNCLASSIFIED | 264907, 264910, 264681, 264558 | UNCLASSIFIED |
| 177 | 86684852 (353, 354) | Novel Protein sim. GBank gi 2326738 emb CAB10952 - (Z98268) hypothetical protein Rv1695 [Mycobacterium tuberculosis] | Contains protein domain (PF01513) - Domain of unknown function | 264768, 60424179, 264687, 264688, 264769, 29331826, 60432289, 18108376, 264689, 18108387, 32833986, 22278998, 265020, 264600, 264601, 264602, 264603, 264604, 264605, 264635, 264762, 264636, 264908, 264564, 264637, 264638, 264486, 60433356, 264766 | UNCLASSIFIED |
| 178 | 79559526 (355, 356) | Novel Protein sim. GBank gi 1906596 (U81788) - kinesin-73 [Drosophila melanogaster] | | 264693, 33657109, 264635 | struct |
| 179 | 20263112 (357, 358) | Novel Protein sim. GBank | UNCLASSIFIED | 264563 | UNCLASSIFIED |
| 180 | 80488958 (359, 360) | gi 1169387 sp P45256 DNAB_HAEIN - REPLICATIVE DNA HELICASE | | 264769 | helicase |
| 181 | 79585369 (361, 362) | Novel Protein sim. GBank gi 3170615 (AF059485) - DOC4 [Mus musculus] | UNCLASSIFIED | 21806767, 264635, 264639, 18108384 | UNCLASSIFIED |
| 182 | 80577899 (363, 364) | | | | |
| 183 | 11614017 (365, 366) | Novel Protein sim. GBank gi 1076627 pir IS4172 - inorganic pyrophosphatase (EC 3.6.1.1) - common tobacco | UNCLASSIFIED | 264259, 35696052, 56182435, 264511, 265018, 33657109, 264555, 264568 | UNCLASSIFIED |
| 184 | 10174167 (367, 368) | Novel Protein sim. GBank gi 4371280 gb AAD18138 - (AC006260) hypothetical protein [Arabidopsis thaliana] | UNCLASSIFIED | 264690 | UNCLASSIFIED |

| | | | | | |
|-----|---------------------|---|--|--------------|--|
| 185 | 21660822 (369, 370) | Novel Protein sim. GBank gl 3006178 emb CAA18398.1 - (AL022304) putative mma transport regulator [Schizosaccharomyces pombe] | | UNCLASSIFIED | 264604 |
| 186 | 80070329 (371, 372) | Novel Protein sim. GBank gl 2829802 sp P94408 YCLF_BACSU - HYPOTHETICAL 53.3 KD PROTEIN IN SFP-GERKA INTERGENIC REGION | | transport | 264595 |
| 187 | 80186611 (373, 374) | Novel Protein sim. GBank gl 3150260 emb CAA19179 - (AL023634) cyclin [Schizosaccharomyces pombe] | | UNCLASSIFIED | 264369 |
| 188 | 20464942 (375, 376) | Novel Protein sim. GBank gl 2145853 pir S72938 - hflX protein - Mycobacterium leprae | | kinase | 264605 |
| 189 | 82338215 (377, 378) | Novel Protein sim. GBank gl 1881244 dbj BAA19271 - (AB001488) SIMILAR TO PYRUVATE OXIDASE AND ACETOLACTATE SYNTHASE. [Bacillus subtilis] | | UNCLASSIFIED | 35696052, 264602, 264605, 264762, 264689, 35695917, 18108370, 18108372, 264638, 264565 |
| 190 | 80086821 (379, 380) | Novel Protein sim. GBank gl 120226 sp P28725 FKBP_STRCH - FK506-BINDING PROTEIN (PEPTIDYL-PROLYL CIS-TRANS ISOMERASE) (PPIASE) (ROTAMASE) | Contains protein domain (PF00205) - Thiamine pyrophosphate enzymes | synthase | 264563 |
| 191 | 88095012 (381, 382) | Novel Protein sim. GBank gl 170546 sp P53656 BIOA_ERWHE - ADENOSYLMETHIONINE-8-AMINO-7-OXONONANOATE AMINOTRANSFERASE (7,8-DIAMINO-PELARGONIC ACID AMINOTRANSFERASE) (DAPA AMINOTRANSFERASE) | Contains protein domain (PF00254) - FKBP-type peptidyl-prolyl cis-trans isomerases | isomerase | 264508, 264604, 264605, 264769, 264555 |
| 192 | 16333379 (383, 384) | Novel Protein sim. GBank gl 4980892 gb AAD35474.1 AE00171 - (AE001718) ABC transporter, ATP-binding protein [Thermotoga maritima] | | | 264567 |
| 193 | 79910127 (385, 386) | Novel Protein sim. GBank gl 170546 sp P53656 BIOA_ERWHE - ADENOSYLMETHIONINE-8-AMINO-7-OXONONANOATE AMINOTRANSFERASE (7,8-DIAMINO-PELARGONIC ACID AMINOTRANSFERASE) (DAPA AMINOTRANSFERASE) | | | 264908, 264693 |
| 194 | 20464949 (387, 388) | Novel Protein sim. GBank gl 170546 sp P53656 BIOA_ERWHE - ADENOSYLMETHIONINE-8-AMINO-7-OXONONANOATE AMINOTRANSFERASE (7,8-DIAMINO-PELARGONIC ACID AMINOTRANSFERASE) (DAPA AMINOTRANSFERASE) | | | 264605 |
| 195 | 13518389 (389, 390) | Novel Protein sim. GBank gl 170546 sp P53656 BIOA_ERWHE - ADENOSYLMETHIONINE-8-AMINO-7-OXONONANOATE AMINOTRANSFERASE (7,8-DIAMINO-PELARGONIC ACID AMINOTRANSFERASE) (DAPA AMINOTRANSFERASE) | | transport | 264636 |
| 196 | 95005569 (391, 392) | Novel Protein sim. GBank gl 3122305 sp Q27778 K6PF_SCHMA - 6- PHOSPHOFRUCTOKINASE (PHOSPHOFRUCTOKINASE) | Contains protein domain (PF00202) - Amino transferases class-III pyridoxal phosphate | gaba | 264600, 264689, 264638 |
| 197 | 80248665 (393, 394) | Novel Protein sim. GBank gl 3122305 sp Q27778 K6PF_SCHMA - 6- PHOSPHOFRUCTOKINASE (PHOSPHOFRUCTOKINASE) | Contains protein domain (PF00365) - Phosphofructokinase | kinase | 264602, 264682, 264692, 18108374 |
| 198 | 79163635 (395, 396) | Novel Protein sim. GBank gl 1781203 emb CAB06110 - (Z83859) gnd [Mycobacterium tuberculosis] | Contains protein domain (PF00393) - 6-phosphogluconate dehydrogenases | | 264636 |
| 199 | 78890715 (397, 398) | Novel Protein sim. GBank gl 2642222 AF030885 - telomere-associated recQ-like helicase [Usiliago maydis] | | | 265008 |
| 200 | 79413849 (399, 400) | Novel Protein sim. GBank gl 2894379 emb CAA7491.1 - (Y14573) ring finger protein [Hordeum vulgare] | | UNCLASSIFIED | 264595, 264596 |
| 201 | 86945924 (401, 402) | Novel Protein sim. GBank gl 2894379 emb CAA7491.1 - (Y14573) ring finger protein [Hordeum vulgare] | | UNCLASSIFIED | 29331826, 265007, 264512, 33657402, 264596, 265017, 18108351, 264682, 264683, 264767, 264629, 55810764, 264634, 264635, 55182323, 60432113, 22279000 |

| | | | | | |
|-----|---------------------|---|--|--|--|
| 202 | 78588046 (403, 404) | Novel Protein sim. GBank gil231772[sp]P30598[CHS1_USTMA - CHITIN SYNTHASE 1 (CHITIN-UDP ACETYL-GLUCOSAMINYL TRANSFERASE 1)] | Contains protein domain (PF01644) - synthase Chitin synthase | 264600 | |
| 203 | 79843927 (405, 406) | Novel Protein sim. GBank gil1504042[db][BAA13220] - (D86984) similar to yeast adenylate cyclase (S56776) [Homo sapiens] | | 22278995, 29331822, 29331825, 29331827, 264906, 21908754, 264683, 21908766, 21906769, 35696423, 264556 264909 | |
| 204 | 79855186 (407, 408) | Novel Protein sim. GBank gil263380[emb][CAB13310] - (Z99111) similar to hypothetical proteins [Bacillus subtilis] | UNCLASSIFIED | 264909 | |
| 205 | 10090563 (409, 410) | Novel Protein sim. GBank gil2134381[pir][S60678] - polybromo 1 protein - chicken | transport | 264909 | |
| 206 | 8758473 (411, 412) | Novel Protein sim. GBank | UNCLASSIFIED | 264604 | |
| 207 | 20754522 (413, 414) | Novel Protein sim. GBank | UNCLASSIFIED | 264556 | |
| 208 | 20289261 (415, 416) | Novel Protein sim. GBank | | 264605 | |
| 209 | 80071069 (417, 418) | Novel Protein sim. GBank gil2501040[sp]O05814[SYP_MYCTU - PROLYL-TRNA SYNTHETASE (PROLINE--TRNA LIGASE) (PRORS)] | | 264605, 264689 | |
| 210 | 80168800 (419, 420) | | | 264905, 264907, 264909, 264766, 264687, 264691, 264629, 18108374, 264638 263978 | |
| 211 | 80034539 (421, 422) | Novel Protein sim. GBank | UNCLASSIFIED | 264508, 264905, 264906, 264907, 264908, 264600, 264762, 264534, 264632, 264634, 264635, 264639, 264486 | |
| 212 | 82442474 (423, 424) | Novel Protein sim. GBank gil5031809[ref]NP_005538.1[pir]SLR - immunoglobulin superfamily containing leucine-rich repeat | | 22278996, 264508, 264600, 264602, 264603, 264605, 33657023, 264565, 264486 | |
| 213 | 80249562 (425, 426) | Novel Protein sim. GBank gil3122359[sp]O33123[LEU2_MYCLE - 3- ISOPROPYLMALATE DEHYDRATASE LARGE SUBUNIT (ISOPROPYLMALATE ISOMERASE) (ALPHA-IPM ISOMERASE) (IPMI)] | Contains protein domain (PF00330) - isomerase Aconitase family (aconitate hydratase) | | |
| 214 | 80079381 (427, 428) | Novel Protein sim. GBank gil116238[sp]P19421[CH60_COX8U - 60 KD CHAPERONIN (PROTEIN CPN60) (GROEL PROTEIN) (HEAT SHOCK PROTEIN B)] | Contains protein domain (PF00118) - eph TCP-1/cpn60 chaperonin family | 264600, 264693 | |
| 215 | 14973283 (429, 430) | | UNCLASSIFIED | 264629 | |
| 216 | 80177716 (431, 432) | Novel Protein sim. GBank Unknown gene product [Homo sapiens] | Contains protein domain (PF00096) - dna_ma_bind Zinc finger, C2H2 type | 264448 | |
| 217 | 79603634 (433, 434) | Novel Protein sim. GBank gil2506924[sp]P49754[VP41_HUMAN - VACUOLAR ASSEMBLY PROTEIN VPS41 HOMOLOG (S53)] | | 264508 | |
| 218 | 80258475 (435, 436) | Novel Protein sim. GBank gil1173288[sp]P38106[IRSEA_ECOLI - SIGMA-E FACTOR NEGATIVE REGULATORY PROTEIN] | mapolymerase | 264594 | |
| 219 | 20438797 (437, 438) | Novel Protein sim. GBank gil1781097[emb][CAB06231] - (Z83864) gltB [Mycobacterium tuberculosis] | synthase | 264604 | |
| 220 | 13499572 (439, 440) | Novel Protein sim. GBank gil2984703 (AF052427) - unknown [Trypanosoma cruzi] | nucleaseinhib | 264689 | |
| 221 | 11287498 (441, 442) | Novel Protein sim. GBank gil4587313[dbj][BAA76709.1] - (AB025248) alpha-1,2-mannosidase [Bacillus sp. M-90] | UNCLASSIFIED | 264555 | |

| | | | | | |
|-----|---------------------|---|---|--------------|--|
| 222 | 79862802 (443, 444) | Novel Protein sim. GBank gi 1877268 emb CAB07049 - (Z92770) hypothetical protein Rv0143c [Mycobacterium tuberculosis] | | UNCLASSIFIED | 264605, 264769, 35696423 |
| 223 | 83053869 (445, 446) | | | UNCLASSIFIED | 264906, 264907, 264603 |
| 224 | 79557920 (447, 448) | | | UNCLASSIFIED | 264684, 264693 |
| 225 | 79559541 (449, 450) | | | UNCLASSIFIED | 264692 |
| 226 | 79172397 (451, 452) | Novel Protein sim. GBank gi 2274851 dbj BAA21515 - (D64159) 3-7 gene product [Homo sapiens] | | UNCLASSIFIED | 22278998, 264112, 33657023, 263981 |
| 227 | 81777196 (453, 454) | Novel Protein sim. GBank gi 888245 (U29488) - C56C10.7 gene product [Caenorhabditis elegans] | | UNCLASSIFIED | 35695917, 264636, 264907 |
| 228 | 79872285 (455, 456) | | | | 264768, 264907, 264908, 264692, 264593, 264639 |
| 229 | 79838266 (457, 458) | | | | 264906, 264910 |
| 230 | 11013209 (459, 460) | | | UNCLASSIFIED | 264631 |
| 231 | 20622207 (461, 462) | Novel Protein sim. GBank gi 1835114 emb CAA71733 - (Y10744) homoserine O-acetyltransferase [Leptospira meyeri] | | | 264906, 264600, 264603, 264692 |
| 232 | 80055035 (463, 464) | | | UNCLASSIFIED | 264600, 264603, 264605, 264887, 264769 |
| 233 | 80063054 (465, 466) | Novel Protein sim. GBank gi 2642340 (AF032970) - imidazolone propionate hydrolase [Pseudomonas putida] | Contains protein domain (PF00449) - Urease | UNCLASSIFIED | 264604 |
| 234 | 7523998 (467, 468) | Novel Protein sim. GBank gi 3510505 (AF030881) - polypeptide [Fugu rubripes] | | UNCLASSIFIED | 264369 |
| 235 | 80203671 (469, 470) | | | UNCLASSIFIED | 264106 |
| 236 | 78940001 (471, 472) | Novel Protein sim. GBank gi 2104609 emb CAB08805 - (Z95398) PckA [Mycobacterium leprae] | | UNCLASSIFIED | 264905 |
| 237 | 11755273 (473, 474) | | | | 264681 |
| 238 | 79461401 (475, 476) | | | UNCLASSIFIED | 264639 |
| 239 | 82435190 (477, 478) | Novel Protein sim. GBank gi 2495617 sp Q57252 YDJ_HAEIN - HYPOTHETICAL PROTEIN H1163 | Contains protein domain (PF00037) - 4Fe-4S ferredoxins and related iron-sulfur cluster binding domains. | UNCLASSIFIED | 264906, 265010, 264603, 264762, 264682, 264636, 264638, 264486 |
| 240 | 21635575 (479, 480) | Novel Protein sim. GBank gi 3183458 sp P75796 YLIA_ECOLI - HYPOTHETICAL ABC TRANSPORTER ATP-BINDING PROTEIN YLIA | transport | | 264259, 264769 |
| 241 | 80377307 (481, 482) | Novel Protein sim. GBank gi 3875920 emb CAB04111 - (Z81503) predicted using GeneFinder; similar to collagen; cDNA EST EMBL:D65450 comes from this gene; cDNA EST EMBL:D68888 comes from this gene [Caenorhabditis elegans] | | UNCLASSIFIED | 264908, 264909, 264764, 264639 |
| 242 | 82148454 (483, 484) | | | UNCLASSIFIED | 264489, 264907, 264908, 264511, 264760, 264764, 264692, 264635, 264637 |
| 243 | 79633207 (485, 486) | | | UNCLASSIFIED | 264908 |
| 244 | 80248682 (487, 488) | Novel Protein sim. GBank gi 2624302 emb CAA15575 - (AL008967) aid [Mycobacterium tuberculosis] | | UNCLASSIFIED | 264600, 264602, 264605, 264769, 264689 |
| 245 | 79863543 (489, 490) | Novel Protein sim. GBank gi 2920625 (AF044499) - vgrE protein [Escherichia coli] | dehydrogenase | UNCLASSIFIED | 264907, 264758 |
| 246 | 79162929 (491, 492) | Novel Protein sim. GBank gi 5420387 emb CAB46679.1 - (AJ243459) proteophosphoglycan [Leishmania major] | Contains protein domain (PF01106) - NifU-like domain | | 264637, 18108381, 18108387, 264565 |

| | | | | | |
|-----|---------------------|--|--|--------------|--|
| 247 | 79737185 (493, 494) | Novel Protein sim. GBank gij1839006[embj CAB06648] - (Z85982) argB [Mycobacterium tuberculosis] | | kinase | 264909, 264691, 35696423, 18108387 |
| 248 | 80488983 (495, 496) | Novel Protein sim. GBank gij1168574[sp]P42464[ATPB_CORGL - ATP SYNTHASE BETA CHAIN | | synthase | 35696286, 264907, 264511, 264602, 264768, 264688, 265021, 35695855, 18108385 |
| 249 | 79764845 (497, 498) | | | UNCLASSIFIED | 264907, 264910, 265011, 264762, 264636 |
| 250 | 78619980 (499, 500) | | | | 21906768, 264692 |
| 251 | 84359489 (501, 502) | | | UNCLASSIFIED | 52645156, 29331822, 29331824, 52644045, 265018, 21906765, 21906768, 265020, 27486281, 27486285, 35695763, 18108376, 264556, 264559, 264565 |
| 252 | 79737758 (503, 504) | Novel Protein sim. GBank gij3327166[dbj BAA31651] - (AB014576) KIAA0678 protein [Homo sapiens] | | | 264685, 264687, 264632 |
| 253 | 20443124 (505, 506) | Novel Protein sim. GBank gij3036880[embj CAA18513] - (AL022374) putative ATP-dependent DNA helicase [Streptomyces coelicolor] | | helicase | 264604 |
| 254 | 80027421 (507, 508) | Novel Protein sim. GBank gij3915488[sp]O34961[YJMB_BACSU - HYPOTHETICAL SYMPORTER IN COTT-RAPA INTERGENIC REGION | | UNCLASSIFIED | 264508, 264906, 264602, 264687, 265021, 264486 |
| 255 | 11398315 (509, 510) | Novel Protein sim. GBank gij1665720[dbj BAA04134] - (D17312) diarrheal toxin [Bacillus cereus] | | UNCLASSIFIED | 264593 |
| 256 | 80028158 (511, 512) | Novel Protein sim. GBank gij465787[sp]P34422[YL31_CAEEL - HYPOTHETICAL 86.0 KD PROTEIN F44B9.1 IN CHROMOSOME III | Contains protein domain (PF00326) - Prolyl oligopeptidase family | peptidase | 264602, 264692 |
| 257 | 20289282 (513, 514) | Novel Protein sim. GBank gij1172039[sp]P42315[SCOA_BACSU - PROBABLE SUCCINYL-COA:3-KETOACID-COENZYME A TRANSFERASE SUBUNIT A (SUCCINYL COA:3-OXOACID COA-TRANSFERASE) (OXC1 A) | Contains protein domain (PF01144) - Coenzyme A transferase | transferase | 264605 |
| 258 | 20459464 (515, 516) | Novel Protein sim. GBank gij3127836[embj CAA18902] - (AL023496) hypothetical protein [Streptomyces coelicolor] | | UNCLASSIFIED | 264604 |
| 259 | 78910152 (517, 518) | | | collagen | 264681, 264686, 264692 |
| 260 | 20378437 (519, 520) | | | UNCLASSIFIED | 264692, 264556 |
| 261 | 20285883 (521, 522) | Novel Protein sim. GBank gij123761[sp]P24221[HUTH_STRGR - HISTIDINE AMMONIA-LYASE (HISTIDASE) | Contains protein domain (PF00221) - Phenylalanine and histidine ammonia lyases | UNCLASSIFIED | 264600 |
| 262 | 80189317 (523, 524) | | | UNCLASSIFIED | 265017, 264369 |
| 263 | 88095045 (525, 526) | Novel Protein sim. GBank gij3924708[embj CAA84646] - (Z35597) Weak similarity with sea squirt nidogen precursor protein (blastp score 71); cDNA EST EMBL: T02069 comes from this gene; cDNA EST EMBL: D76135 comes from this gene; cDNA EST EMBL: D73147 comes from this gene; cDNA EST EMB... | | UNCLASSIFIED | 264488, 264905, 264906, 264907, 264908, 264909, 264512, 264910, 264758, 264596, 264604, 265019, 264605, 264760, 18108351, 264763, 264764, 264288, 264766, 264768, 264769, 264691, 264692, 264693, 264628, 264634, 264635, 264555, 264636, 264638, 264639 |
| 264 | 87370826 (527, 528) | Novel Protein sim. GBank gij3043734[dbj BAA25531] - (AB011177) KIAA0605 protein [Homo sapiens] | Contains protein domain (PF00047) - Immunoglobulin domain | protease | 264259, 264908, 21906754, 265018, 265019, 265020 |

| | | | | |
|-----|---------------------|---|----------------|--|
| 265 | 95355646 (529, 530) | Novel Protein sim. GBank gi 4589624 dbj BAA76834.1 - (AB023207) KIAA0990 protein [Homo sapiens] | kinase | 264488, 35696286, 29331824, 56182181, 35696052, 264508, 264905, 264906, 264907, 66712502, 264908, 264909, 264511, 264512, 264910, 264592, 264595, 264758, 264596, 55811386, 264600, 265017, 264603, 264604, 264605, 264760, 18108351, 264762, 264681, 264764, 264288, 264766, 264768, 264769, 21908765, 21908767, 21908769, 265020, 264691, 33657023, 33657109, 33657182, 264628, 35696423, 35695855, 264630, 264631, 264632, 264634, 264635, 264636, 264555, 264638, 83373044, 56526488, 87168518, 264564, 264566, 264486 |
| 266 | 79588075 (531, 532) | | | 264600 |
| 267 | 11362222 (533, 534) | | UNCLASSIFIED | 264828 |
| 268 | 7909566 (535, 536) | | UNCLASSIFIED | 264687, 264769, 264689 |
| 269 | 80025810 (537, 538) | | UNCLASSIFIED | 264602 |
| 270 | 84361144 (539, 540) | Novel Protein sim. GBank gi 4507367 ref NP_003182.1 pTARS - threonyl-tRNA synthetase | UNCLASSIFIED | 264693 |
| 271 | 79552301 (541, 542) | | | |
| 272 | 9674778 (543, 544) | Novel Protein sim. GBank gi 4980738 gb AAD35331.1 AE00170 - (AE001707) glucose-1-phosphate adenylyltransferase [Thermotoga maritima] | UNCLASSIFIED | 264909, 264693 |
| 273 | 12840694 (545, 546) | Novel Protein sim. GBank gi 1168224 sp P44569 5NTD_HAEIN - PROBABLE 5'-NUCLEOTIDASE PRECURSOR | synthase | 264908 |
| 274 | 39524246 (547, 548) | | UNCLASSIFIED | 264688 |
| 275 | 82787041 (549, 550) | Novel Protein sim. GBank gi 3253159 (AF005355) - translation initiation factor eIF2C [Oryctolagus cuniculus] | | 264564 |
| 276 | 86671073 (551, 552) | Novel Protein sim. GBank gi 134920 sp P21997 SSGP_VOLCA - SULFATED SURFACE GLYCOPROTEIN 185 (SSG 185) | UNCLASSIFIED | 264907, 264908, 264909, 264766, 264768, 264691, 264632, 264636 |
| 277 | 80079735 (553, 554) | Novel Protein sim. GBank gi 128021 sp P20984 OBG_BACSU - SPO08-ASSOCIATED GTP-BINDING PROTEIN | | 265008, 60432229 |
| 278 | 12866947 (555, 556) | | ribosomal prot | 264600, 18108387 |
| 279 | 95292719 (557, 558) | Novel Protein sim. GBank gi 79839 pir J S03812 - uvrB protein - Micrococcus luteus | UNCLASSIFIED | 264689 |
| 280 | 5603617 (559, 560) | | nuclease | 264508, 264604, 21906764, 264638, 264557, 264404 |
| 281 | 80249599 (561, 562) | Novel Protein sim. GBank gi 3123160 sp Q18964 YLN2_CAEEL - HYPOTHETICAL 46.2 KD TRP-ASP REPEATS CONTAINING PROTEIN D2013.2 IN CHROMOSOME II | | 264259 |
| 282 | 18598682 (563, 564) | | | 18108392, 264634, 264555, 264556, 264557, 264558 |
| 283 | 20814211 (565, 566) | | UNCLASSIFIED | 265019 |
| | | | UNCLASSIFIED | 264555 |

| | | | | | |
|-----|---------------------|--|--|-------------------|--|
| 284 | 91212160 (567, 568) | Novel Protein sim. GBank gij2429094 (U58632) - acetyl xylan esterase; AxeA [Thermotoga neapolitana] | Contains protein domain (PF00300) - Phosphoglycerate mutase family | UNCLASSIFIED | 35696052, 29331828, 264508, 264905, 264600, 264602, 264605, 264682, 264764, 56181562, 21906784, 18108376, 264636, 264559, 18108387 |
| 285 | 8757940 (569, 570) | | | UNCLASSIFIED | 264603 |
| 286 | 80503235 (571, 572) | Novel Protein sim. GBank gij2072874[embjCAB08305] - (Z95120) rhlE [Mycobacterium tuberculosis] | Contains protein domain (PF00270) - DEAD/DEAH box helicase | ATPase-associated | 35696052, 264769, 264638 |
| 287 | 12745521 (573, 574) | | | UNCLASSIFIED | 264689 |
| 288 | 20756502 (575, 576) | Novel Protein sim. GBank gij765323[bsbs157676 - (S74439) silk fibroin heavy chain (C-terminal)] [Bombyx mori=silkworms, Peptide Partial, 633 aa] [Bombyx mori] | | collagen | 264557 |
| 289 | 80043804 (577, 578) | Novel Protein sim. GBank gij1870009[embjCAB06860] - (Z92539) hypothetical protein Rv1019 [Mycobacterium tuberculosis] | Contains protein domain (PF00440) - Bacterial regulatory proteins, telR family | ribosomal prot | 264593, 264600 |
| 290 | 80430175 (579, 580) | | | UNCLASSIFIED | 264768 |
| 291 | 20747431 (581, 582) | Novel Protein sim. GBank gij2506664[spP40120]YDCG_ECOLI - 59.4 PROTEIN IN TRG-RIML INTERGENIC REGION PRECURSOR | | UNCLASSIFIED | 264601 |
| 292 | 80052555 (583, 584) | Novel Protein sim. GBank gij625182 (L39015) - mitochondrial glutamyl-tRNA synthetase [Saccharomyces cerevisiae] | | UNCLASSIFIED | 264605 |
| 293 | 80062519 (585, 586) | Novel Protein sim. GBank gij1718065[spP53528]UVRD_MYCLE - PUTATIVE DNA HELICASE II HOMOLOG | helicase | | 264909, 264605, 264687, 264689, 264692 |
| 294 | 79830303 (587, 588) | Novel Protein sim. GBank gij117422[spP10040]CRB_DROME - CRUMBS PROTEIN PRECURSOR (95F) | Contains protein domain (PF00008) - EGF-like domain | oncogene | 35696052, 264906, 265011, 264628, 55811576 |
| 295 | 79444180 (589, 590) | Novel Protein sim. GBank gij1181619[dbjBAA11565] - (D82364) a variant of TSC-22 [Gallus gallus] | | | 52644507, 29331822, 264592, 265020, 264639 |
| 296 | 79607076 (591, 592) | Novel Protein sim. GBank gij3649789[dbjBAA33403] - (AB012226) SecA [Vibrio alginolyticus] | | synthase | 264508 |
| 297 | 79631297 (593, 594) | Novel Protein sim. GBank gij5689967[embjCAB52004.1] - (AL109663) putative membrane protein [Streptomyces coelicolor A3(2)] | | UNCLASSIFIED | 264905, 264687, 264638 |
| 298 | 80418898 (595, 596) | | | UNCLASSIFIED | 264905, 264691, 264639, 264766 |

| | | | | |
|-----|---------------------|---|---|--|
| 299 | 95283298 (597, 598) | Novel Protein sim. GBank gij220637[dbj BAA014771 (D10627) zinc finger protein [Mus musculus] | Contains protein domain (PF000096) - Zinc finger, C2H2 type | 264488, 263994, 56994075, 22278997, 22278998, 22278999, 20281099, 29331824, 29331825, 29331826, 60432289, 29331827, 29331828, 264905, 264906, 264907, 264908, 52644045, 264909, 264511, 265008, 264910, 264595, 264596, 264758, 33657084, 87168559, 265018, 265019, 264764, 264288, 264766, 264687, 56181582, 264769, 21906765, 21906768, 21906769, 33657023, 264692, 33657109, 27486261, 18108370, 264628, 264629, 55811576, 35695855, 264631, 264634, 264635, 264638, 264639, 83373044, 18108387, 87168518, 22279000, 22279002, 264565, 264566, 264567 |
| 300 | 20711340 (599, 600) | Novel Protein sim. GBank gij145922 (M20981) - iron | UNCLASSIFIED | 264602 |
| 301 | 13511332 (601, 602) | diclrate transport protein precursor [Escherichia coli] | transport | 264687 |
| 302 | 9875260 (603, 604) | Novel Protein sim. GBank gij1174661[sp P44594 TGT_HAEIN - QUEUINE TRNA-RIBOSYLTRANSFERASE (TRNA-GUANINE TRANSGLYCOSYLASE) (GUANINE INSERTION ENZYME)] | | 264908 |
| 303 | 79574895 (605, 606) | Novel Protein sim. GBank gij67985[prj HJNVAV - helicase | | 264689 |
| 304 | 20711344 (607, 608) | (EC 3.6.1.-) - Autographa californica nuclear polyhedrosis virus | helicase | 264602 |
| 305 | 80412520 (609, 610) | Novel Protein sim. GBank gij1728867[sp P40602 APG_ARATH - ANTER-SPECIFIC PROLINE-RICH PROTEIN APG PRECURSOR | | 264763 |
| 306 | 8515876 (611, 612) | Novel Protein sim. GBank gij1657554[gb AAB18082.1 - (U73857) hypothetical protein [Escherichia coli] | UNCLASSIFIED | 263978 |
| 307 | 80222901 (613, 614) | Novel Protein sim. GBank gij1710612[sp Q10793 RNH2_MYCTU - PROBABLE RIBONUCLEASE HII (RNASE HII) | UNCLASSIFIED | 265010, 21906768, 265020, 18108374, 263977 |
| 308 | 80064305 (615, 616) | Novel Protein sim. GBank gij1710612[sp Q10793 RNH2_MYCTU - PROBABLE RIBONUCLEASE HII (RNASE HII) | Contains protein domain (PF01351) - Ribonuclease HII | 264910, 264600, 264605, 264687, 264689, 264638, 18108387 |
| 309 | 80504138 (617, 618) | Novel Protein sim. GBank gij5420387[emb CAB46679.1 - (A1243459) proteophosphoglycan [Leishmania major] | | 264769 |
| 310 | 80053616 (619, 620) | Novel Protein sim. GBank gij1144522 (U34957) - phosphoribosylaminimidazole succinocboxamide synthase [Mycobacterium tuberculosis] | synthase | 264603 |
| 311 | 11090659 (621, 622) | Novel Protein sim. GBank gij1144522 (U34957) - phosphoribosylaminimidazole succinocboxamide synthase [Mycobacterium tuberculosis] | | 264602 |
| 312 | 80054347 (623, 624) | | UNCLASSIFIED | 264566 |
| 313 | 80046168 (625, 626) | | | 264603, 264567 |

| | | | | | |
|-----|---------------------|---|---|------------------|--|
| 314 | 87645112 (627, 628) | Novel Protein sim. GBank gi 3661583 (AF092175) - Ikaros [Danio rerio] | Contains protein domain (PF00320) - GATA zinc finger | dna_rna_bind | 264259, 60432289, 29331828, 264905, 264906, 264908, 264909, 265008, 264910, 60432229, 33657402, 60433438, 33109954, 265011, 265017, 264603, 285018, 264288, 264766, 264692, 35695763, 264628, 264829, 264639, 60170394, 22279002, 264568 |
| 315 | 82356091 (629, 630) | Novel Protein sim. GBank gi 1652620 dbj BAA17540 - (D90907) pyridine nucleotide transhydrogenase beta subunit [Synecocystis sp.] | | | 264508, 264600, 264762, 264687, 264768, 52644229, 264769, 264689, 264635, 264636, 264638, 264486 |
| 316 | 79911071 (631, 632) | Novel Protein sim. GBank gi 118244 sp P24176 DAPE, ECOLI - SUCCINYL-DIAMINOPIMELATE DESUCCINYLAISE (SDAP) | | UNCLASSIFIED | 264693 |
| 317 | 20466944 (633, 634) | Novel Protein sim. GBank gi 4680229 gb AAD27583.1 JAF11827 - (AF118274) DNB-5 [Homo sapiens] | Contains protein domain (PF00526) - Dicyostellum (slime mold) repeats | UNCLASSIFIED | 264605 |
| 318 | 94141836 (635, 636) | Novel Protein sim. GBank gi 1149693 emb CAA60220 - (X88499) rbcC [Clostridium perfringens] | | transport | 264908, 264909, 264910, 264593, 264594, 264760, 264288, 264768, 264769, 21906769, 264691, 264693, 264628, 65274791, 264635, 264636, 264638, 83373044, 22279002, 264568 |
| 319 | 17289360 (637, 638) | Novel Protein sim. GBank gi 1149693 emb CAA60220 - (X88499) rbcC [Clostridium perfringens] | | transport | 265018 |
| 320 | 13527675 (639, 640) | Novel Protein sim. GBank gi 2811033 sp O05314 GLGC, MYCTU - GLUCOSE-1-PHOSPHATE ADENYLTRANSFERASE (ADP-GLUCOSE SYNTHASE) (ADP-GLUCOSE PYROPHOSPHORYLAISE) | | synthase | 264687 |
| 321 | 94134387 (641, 642) | Novel Protein sim. GBank gi 1680716 (U68234) - all-trans-retinoic acid 4-hydroxylase [Danio rerio] | | cyto450 | 264509, 264906, 264907, 264908, 265009, 264596, 264764, 264628, 264634, 264635, 264638, 264639, 83373044, 264567 |
| 322 | 68489053 (643, 644) | Novel Protein sim. GBank gi 1160355 (U33058) - UNC-89 [Caenorhabditis elegans] | | UNCLASSIFIED | 55811150, 264691, 60431528, 55810764 |
| 323 | 94653725 (645, 646) | | | UNCLASSIFIED | 264488, 265009, 264593, 264628, 264635 |
| 324 | 79174383 (647, 648) | | | | 264687 |
| 325 | 79862691 (649, 650) | | | UNCLASSIFIED | 264693 |
| 326 | 28774974 (651, 652) | | | UNCLASSIFIED | 264288, 18108385 |
| 327 | 79776267 (653, 654) | Novel Protein sim. GBank gi 451544 (U04267) - proline-rich cell wall protein [Gossypium barbadense] | | | 264488, 264905, 264509, 264910 |
| 328 | 80253202 (655, 656) | | | UNCLASSIFIED | 264592 |
| 329 | 10173821 (657, 658) | | | UNCLASSIFIED | 264510 |
| 330 | 86597767 (659, 660) | Novel Protein sim. GBank gi 4191358 (AF087825) - claudin-7 [Mus musculus] | | UNCLASSIFIED | 264259, 264908 |
| 331 | 79754888 (661, 662) | Novel Protein sim. GBank gi 80741 pir S20912 - regulatory protein whiB - Streptomyces coelicolor | | transcriptfactor | 264910, 264687, 264689, 264636, 264567 |
| 332 | 80071440 (663, 664) | Novel Protein sim. GBank gi 114049 sp P19480 AHPE_SALTY - ALKYL HYDROPEROXIDE REDUCTASE SUBUNIT F (ALKYL HYDROPEROXIDE REDUCTASE F52A PROTEIN) | | reductase | 35696423, 264636, 264638, 264565 |
| 333 | 13009555 (665, 666) | | | | 264687 |

| | | | | | |
|-----|---------------------|---|--|---------------|--|
| 334 | 80230771 (667, 668) | Novel Protein sim. GBank gij322228[pilr]S32227 - glutamate dehydrogenase (NADP+) (EC 1.4.1.4) - Corynebacterium glutamicum | Contains protein domain (PF00208) - Glutamate/Leucine/Phenylalanine/Valine dehydrogenase | dehydrogenase | 264905, 264600, 264604, 264486 |
| 335 | 8005/026 (668, 670) | Novel Protein sim. GBank gij2193938[embj]CAB09602] - (Z96800) glpQ2 [Mycobacterium tuberculosis] | | esterase | 264907, 264603, 264693, 18108374, 264636, 18108387 |
| 336 | 80414319 (671, 672) | | | UNCLASSIFIED | 265009, 264766, 264686 |
| 337 | 11090829 (673, 674) | | | | 264602 |
| 338 | 95413134 (675, 676) | Novel Protein sim. GBank gij5454074[etfNP_008303.1]pSMRT - silencing mediator for retinoid and thyroid hormone receptors | Contains protein domain (PF00249) - Myb-like DNA-binding domain | nucl_rept | 264569, 18108397, 22278998, 29331822, 20281099, 29331824, 56182181, 68714117, 29331825, 35696052, 29331828, 264508, 264509, 264905, 264908, 264907, 264908, 264909, 265006, 265008, 264910, 265009, 264758, 55812038, 65274444, 265011, 87168559, 265017, 265018, 265019, 264750, 55811150, 264681, 264762, 18108351, 264682, 264764, 264766, 264685, 264686, 264768, 52644229, 264689, 55811957, 35695917, 264692, 264693, 264628, 18108370, 18108374, 55811576, 35696423, 35695855, 264635, 264555, 264636, 264556, 264637, 264557, 18108380, 264638, 264558, 264639, 18108381, 83373044, 18108385, 87168518, 60432113 |
| 339 | 11396513 (677, 678) | Novel Protein sim. GBank gij4001713[dbj]BAA35087.1] - (AB015879) DnaK [Porphyromonas gingivalis] | | eph | 264593 |
| 340 | 80504149 (679, 680) | Novel Protein sim. GBank gij2842699[sp]Q92353[UBPC_SCHPO - PUTATIVE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE C6G9.08 (UBIQUITIN THIOLESTERASE) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE) (DEUBIQUITINATING ENZYME)] | | ubiquitin | 264905, 265019, 264769, 18108374 |
| 341 | 11075188 (681, 682) | Novel Protein sim. GBank gij2688580 (AE001166) - conserved hypothetical protein [Borrelia burgdorferi] | Contains protein domain (PF00290) - Tryptophan synthase alpha chain | isomerase | 264605 |
| 342 | 80054196 (683, 684) | Novel Protein sim. GBank gij1684738[embj]CAA70601] - (Y09452) Yed J hypothetical protein [Pseudomonas syringae] | | | 264603, 264604 |
| 343 | 20466782 (685, 686) | | | | |
| 344 | 80428870 (687, 688) | Novel Protein sim. GBank gij2117275[embj]CAB09104] - (Z95918) hypothetical protein Rv0807 [Mycobacterium tuberculosis] | | UNCLASSIFIED | 264605, 264605, 264768, 18108370, 18108374, 35695855 |
| 345 | 80258853 (689, 690) | Novel Protein sim. GBank gij3023317[sp]Q48935[APHA_MYCRA - ACETYL POLYAMINE AMINOHYDROLASE] | | histone | 264593 |
| 346 | 79831058 (691, 692) | Novel Protein sim. GBank gij4239787[embj]CAA75437] - (Y15166) NADP-glutamate dehydrogenase [Pseudomonas aeruginosa] | Contains protein domain (PF00208) - Glutamate/Leucine/Phenylalanine/Valine dehydrogenase | dehydrogenase | 264905 |

| | | | | | |
|-----|---------------------|--|---|-------------------|---|
| 347 | 79158185 (693, 694) | Novel Protein sim. GBank gi 731675 sp P38795 YHN4_YEAST - HYPOTHETICAL 80.7 KD PROTEIN IN ERG7-NMD2 INTERGENIC REGION | | UNCLASSIFIED | 265006, 265008, 265010, 265018, 263967, 263981 |
| 348 | 80020208 (695, 696) | Novel Protein sim. GBank gi 1073610 prf S47672 - ugpB protein - Escherichia coli | | transport | 264602, 18108351, 18108387 |
| 349 | 17282112 (697, 698) | | | | 265007 |
| 350 | 80502370 (699, 700) | Novel Protein sim. GBank gi 3261599 emb CAB009171 - (Z77137) hypothetical protein Rv1277 [Mycobacterium tuberculosis] | | nuclease | 265009, 264769, 264689, 18108370 |
| 351 | 80501805 (701, 702) | Novel Protein sim. GBank gi 2959367 emb CAA179211 - (AL022117) hypothetical protein [Schizosaccharomyces pombe] | | glycoprotein | 264769, 264905, 264908 |
| 352 | 11611585 (703, 704) | Novel Protein sim. GBank gi 4416302 gb AAD203071 - (AF105716) copla-type pol polyprotein [Zea mays] | | protease | 264595 |
| 353 | 80061653 (705, 706) | Novel Protein sim. GBank gi 1174887 sp P42873 URE1_STAXY - UREASE ALPHA SUBUNIT (UREA AMIDOHYDROLASE) | Contains protein domain (PF00449) - Urease | UNCLASSIFIED | 264604 |
| 354 | 56826130 (707, 708) | | | UNCLASSIFIED | 264628 |
| 355 | 80046344 (709, 710) | | | UNCLASSIFIED | 264909, 264595, 264683, 22279002 |
| 356 | 80043835 (711, 712) | Novel Protein sim. GBank gi 115157 sp P16574 BVGA_BORPE - VIRULENCE FACTORS PUTATIVE POSITIVE TRANSCRIPTION REGULATOR BVGA | Contains protein domain (PF00072) - Response regulator receiver domain | transcript factor | 264909, 264591, 264592 |
| 357 | 80070566 (713, 714) | Novel Protein sim. GBank gi 497637 (J03939) - cytochrome oxidase d subunit I [Escherichia coli] | | oxidase | 264605 |
| 358 | 37032756 (715, 716) | Novel Protein sim. GBank gi 2290990 (AF006000) - Brg1 [Bordetella pertussis] | | UNCLASSIFIED | 264768 |
| 359 | 80501488 (717, 718) | | | UNCLASSIFIED | 264604, 264769 |
| 360 | 80026748 (719, 720) | | | UNCLASSIFIED | 264594 |
| 381 | 80584075 (721, 722) | Novel Protein sim. GBank gi 3510639 (AF049344) - UDP- GalNAc:polypeptide N-acetylgalactosaminyltransferase T5 [Rattus norvegicus] | | transferase | 22278996, 264259, 29331822, 29331824, 264605, 55811957, 265022 |
| 362 | 13089485 (723, 724) | Novel Protein sim. GBank gi 113764 sp P25718 AMY1_ECOLI - ALPHA-AMYLASE PRECURSOR (1.4-ALPHA-D-GLUCAN GLUCANOHYDROLASE) | | amylase | 264688 |
| 383 | 79750145 (725, 726) | | | | 264566 |
| 364 | 82443593 (727, 728) | Novel Protein sim. GBank gi 2829916 sp P95171 NUOK_MYCTU - NADH DEHYDROGENASE I CHAIN K (NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 11) (NUO11) | Contains protein domain (PF00420) - NADH-ubiquinone/plastoquinone oxidoreductase chain 4L | dehydrogenase | 264769, 264602, 264604, 264508, 264762, 264638, 264486 |

| | | | | |
|-----|---------------------|--|--|--|
| 365 | 88040288 (728, 730) | Novel Protein sim. GBank gij4929268 gb AAD33924.1 - (AF144237) LOMP protein [Homo sapiens] | Contains protein domain (PF00412) - LIM domain containing proteins | 264488, 21906766, 21906767, 55811576, 21906769, 29148629, 22278995, 22278996, 265020, 265022, 264634, 264691, 264593, 33657023, 33657402, 264693, 264639, 264594, 29331824, 264758, 18108385, 29331827, 87168559, 265018, 22279000, 265019, 294482, 264761, 264681, 18108351, 265017, 264757 |
| 366 | 81821838 (731, 732) | Novel Protein sim. GBank gij4503843 ref NP_003908.1 pg2AD - UNKNOWN | Contains protein domain (PF01802) - Adaplin N terminal region | 60424179, 65274572, 56182575, 22278994, 56994075, 22278998, 264259, 29331822, 29331824, 56182181, 60424269, 66714117, 29331825, 60432289, 29331826, 29331827, 29331828, 264905, 264828, 56182435, 265006, 264512, 265008, 264591, 55812038, 55811386, 265010, 87168559, 265017, 265018, 264604, 265019, 55811150, 264448, 264369, 264288, 264886, 264768, 56181562, 21906768, 21906769, 55811957, 35895917, 265022, 80170615, 33657023, 65274620, 18108365, 263967, 33657109, 33657349, 35695763, 264628, 18108376, 55811576, 65274791, 35695855, 56182323, 83373044, 80432113, 264563, 264564, 264567, 264509 |
| 368 | 78607265 (735, 736) | Novel Protein sim. GBank gij3913029 sp P94967 ALR_MYCSM - ALANINE RACEMASE | UNCLASSIFIED | 264508, 264604, 264605, 264636 |
| 369 | 95292917 (737, 738) | Novel Protein sim. GBank gij3249559 (AF018261) - EH domain binding protein Epsin [Rattus norvegicus] | | 264905, 264592, 264605, 264766, 264691 |
| 370 | 88090866 (739, 740) | Novel Protein sim. GBank gij2995299 emb CAA18328 - (AL022268) putative IRNA delta(2)- isopentenylpyrophosphate transferase [Streptomyces coelicolor] | Contains protein domain (PF01715) - transferase IPP transferase | 264905, 264906, 264510, 264600, 264601, 264602, 264603, 265018, 264604, 264605, 265021, 264692, 264636, 264564 |
| 371 | 95292599 (741, 742) | Novel Protein sim. GBank gij2995299 emb CAA18328 - (AL022268) putative IRNA delta(2)- isopentenylpyrophosphate transferase [Streptomyces coelicolor] | | 264564 |
| 372 | 80021107 (743, 744) | Novel Protein sim. GBank gij2506393 sp P31576 FIXX_ECOLI - FERREDOXIN LIKE PROTEIN | | 264909, 264906 |
| 373 | 78863766 (745, 746) | Novel Protein sim. GBank gij3341640 emb CAA13164 - (AJ231122) z81f [Vibrio cholerae] | UNCLASSIFIED | 264909, 264906 |
| 374 | 78847568 (747, 748) | Novel Protein sim. GBank gij5456934 gb AAD43716.1 - (AF152322) protocadherin gamma A2 [Homo sapiens] | cadherin | 55274572, 264259, 29331826, 56182435, 60433356, 60433438, 264757, 55812038, 264758, 55811957, 264690, 33657023, 264769 |
| 375 | 91230181 (749, 750) | Novel Protein sim. GBank gij1805408 dbj BA008970 - (D50453) homologues to nitrite hydratase region 3'- hypothetical protein P47K of P. chlororaphis [Bacillus subtilis] | UNCLASSIFIED | 264769 |
| 376 | 80505214 (751, 752) | Novel Protein sim. GBank gij1805408 dbj BA008970 - (D50453) homologues to nitrite hydratase region 3'- hypothetical protein P47K of P. chlororaphis [Bacillus subtilis] | | 264769 |
| 377 | 10339083 (753, 754) | | | 264906 |

| | | | | | |
|-----|---------------------|--|---|--------------|--|
| 378 | 80056153 (755, 756) | Novel Protein sim. GBank gij1076013iprj[A49930 - carb protein homolog - Mycobacterium bovis (strain BCG) (fragment)] | Contains protein domain (PF00289) - Carbamoyl-phosphate synthase (CPSase) | UNCLASSIFIED | 265008, 264555 |
| 379 | 80503437 (757, 758) | Novel Protein sim. GBank gij216556[dbj[BAA02174] - (D12651) glucose dehydrogenase [Escherichia coli]] | Contains protein domain (PF01011) - dehydrogenase | | 264769 |
| 380 | 80060937 (759, 760) | | PQQ enzyme repeat | UNCLASSIFIED | 264604 |
| 381 | 11769027 (761, 762) | | | | 264684 |
| 382 | 80054377 (763, 764) | Novel Protein sim. GBank gij3327136[dbj[BAA31636] - (AB014561) KIAA0661 protein [Homo sapiens]] | | | 264592 |
| 383 | 83259025 (765, 766) | | | | 264595, 265017, 265021, 264638, 87168518, 22279002 |
| 384 | 95314255 (767, 768) | | | UNCLASSIFIED | 264259, 29331822, 60432289, 29331827, 264288, 264766, 263967, 85274791, 35695855, 263981, 83373044, 264567 |
| 385 | 10237679 (769, 770) | Novel Protein sim. GBank gij1073456[iprj[S47810 - probable alcohol dehydrogenase (EC 1.1.1.1) - Escherichia coli] | Contains protein domain (PF00465) - dehydrogenase | | 264692 |
| 386 | 79633434 (771, 772) | | Iron-containing alcohol dehydrogenases | | 264906 |
| 387 | 17960637 (773, 774) | Novel Protein sim. GBank gij1460074[embj[CAB01049] - (Z77250) hypothetical protein Rv2566 [Mycobacterium tuberculosis]] | Contains protein domain (PF01841) - Transglutaminase-like superfamily | UNCLASSIFIED | 264760 |
| 388 | 87741376 (775, 776) | Novel Protein sim. GBank gij4240169[dbj[BAA74863.1] - (AB020647) KIAA0840 protein [Homo sapiens]] | Contains protein domain (PF00646) - F-box domain. | | 35696286, 264905, 66712502, 60432229, 264593, 60433356, 264686, 264688, 21906765, 264691, 22279000, 264482 |
| 389 | 79316971 (777, 778) | | | UNCLASSIFIED | 18108394, 22278996, 264630, 264556, 22279002 |
| 390 | 80079949 (779, 780) | Novel Protein sim. GBank gij854065[embj[CAA58337] - (X83413) U88 [Human herpesvirus 6]] | | UNCLASSIFIED | 264600 |
| 391 | 7657302 (781, 782) | | | | 264482 |
| 392 | 79786056 (783, 784) | Novel Protein sim. GBank gij3378523[embj[CAA08867] - (AJ009832) cyclomaltoextrinase glucanotransferase [Thermotoga neapolitana]] | | UNCLASSIFIED | 264908 |
| 393 | 33206031 (785, 786) | | | synthase | 264602, 21906764 |
| 394 | 10104463 (787, 788) | | | | |
| 395 | 80229010 (789, 790) | Novel Protein sim. GBank gij2677780 (U70327) - unknown [Pareitropus polyacris] | Contains protein domain (PF00047) - Immunoglobulin domain | UNCLASSIFIED | 264693 |
| 396 | 20436224 (791, 792) | Novel Protein sim. GBank gij4507909[refj[NP_000388.1]pWAS] - Wiskott-Aldrich syndrome (eczema-thrombocytopenia) | | | 264508, 264563 |
| 397 | 80417014 (793, 794) | Novel Protein sim. GBank gij1518458 (U45998) - mitochondrial solute carrier [Onchocerca volvulus] | | stuct | 264556 |
| 398 | 91230517 (795, 796) | | Contains protein domain (PF00153) - Mitochondrial carrier proteins | transport | 265007, 265009, 264508, 264556, 264629, 264766 |
| | | | | | 18108398, 22278995, 22278996, 56994075, 22278999, 264259, 29331824, 29331826, 264905, 264908, 265007, 265008, 265009, 21906754, 33657084, 265017, 264448, 264288, 264766, 21906765, 21906766, 21906767, 265020, 265021, 33657023, 33657109, 264628, 35696423, 35695855, 264952, 18108380, 264567, 18108391 |

| | | | | | |
|-----|---------------------|--|---|--|--|
| 399 | 80055278 (797, 798) | Novel Protein sim. GBank gi 3358091 dbj BAA31995 - (AB015974) glycerol kinase [Pseudomonas tolaasii] | Contains protein domain (PF00370) - Kinase kinases | 264592, 264595 | |
| 400 | 94117480 (799, 800) | Novel Protein sim. GBank gi 728835 sp P39192 ALU5 - HUMAN - IIII ALU SUBFAMILY SC WARNING ENTRY IIII | Contains protein domain (PF00560) - cadherin Leucine Rich Repeat | 18108394, 56182575, 22278995, 22278997, 22278999, 264259, 29331824, 265006, 265007, 265009, 60432229, 33657402, 21906754, 265010, 265017, 265018, 265019, 18108351, 18108357, 21906765, 265021, 265022, 264691, 264692, 33657023, 18108370, 65274791, 264634, 264636, 60170394, 56182323 | |
| 401 | 11397491 (801, 802) | Novel Protein sim. GBank gi 4928292 gb AAD33527.1 AF13211 - (AF132117) FhuA [Staphylococcus aureus] | transport | 264594 | |
| 402 | 95420294 (803, 804) | Novel Protein sim. GBank gi 5699487 dbj BAA83027.1 - (AB028998) KIAA1075 protein [Homo sapiens] | Contains protein domain (PF00017) - phosphatase Src homology domain 2 | 65274572, 56182575, 35696286, 22278996, 22278998, 264093, 264259, 29331822, 29331824, 29331825, 29331828, 60432289, 29331827, 29331828, 264906, 264907, 264909, 265006, 264511, 265007, 265008, 264910, 264591, 33657402, 60433356, 60433438, 264596, 21906754, 52644296, 265010, 265011, 87168559, 265017, 265018, 265019, 264681, 18108351, 264682, 264448, 264288, 264684, 264766, 264767, 264686, 21906765, 21906766, 21906767, 21906768, 21906769, 55811957, 265020, 265021, 265022, 264690, 264693, 65274620, 35695763, 264628, 18108370, 264629, 18108379, 35696423, 55811576, 264635, 264636, 264557, 264639, 18108385, 22279002, 264563, 264564, 264565, 264566, 264768, 264632, 264639, 264563 | |
| 403 | 80439913 (805, 806) | | | | |
| 404 | 11809655 (807, 808) | | | | |
| 405 | 79471280 (809, 810) | Novel Protein sim. GBank gi 2661649 emb CAA15755 - (AL009196) dnaE2 [Mycobacterium tuberculosis] | UNCLASSIFIED | 264682 | |
| 406 | 79634172 (811, 812) | | polymerase | 265009, 264682 | |
| 407 | 80478229 (813, 814) | | Contains protein domain (PF00159) - UNCLASSIFIED Pancreatic hormone peptides | 18108357, 264693 | |
| 408 | 80079958 (815, 816) | | UNCLASSIFIED | 264769 | |
| 409 | 5640527 (817, 818) | Novel Protein sim. GBank gi 3047117 (AF058919) - similar to ATP-dependent RNA helicases [Arabidopsis thaliana] | UNCLASSIFIED helicase | 264600 264259 | |

| | | | | | |
|-----|---------------------|--|---|---------------|--|
| 410 | 95357496 (818, 820) | Novel Protein sim. GBank gij475016[dj]BAA06184] - (D29801) Unknown [Mus musculus] | | UNCLASSIFIED | 264489, 52646365, 52646842, 56181686, 35696286, 52645080, 29331822, 29331824, 56182181, 29331825, 60424289, 35696052, 33656970, 264508, 264509, 264905, 264906, 264907, 264908, 52644045, 264909, 264510, 265007, 264512, 265008, 264910, 33657402, 264758, 52646317, 55811388, 265010, 265011, 265017, 264604, 265018, 55811150, 264762, 264764, 264766, 264687, 264768, 264769, 52644229, 21906766, 265020, 265021, 264534, 52644150, 264692, 33657023, 65274620, 33657109, 33657182, 27486281, 35695763, 264628, 264629, 60431528, 18108376, 263978, 35896423, 35695855, 264632, 264634, 264635, 264637, 264638, 264558, 264639, 56182323, 264559, 60432113, 22279002, 264563, 264565, 264486 |
| 411 | 80501670 (821, 822) | | | UNCLASSIFIED | 264769 |
| 412 | 80241662 (823, 824) | | | | 264907, 264910, 263973, 22279002 |
| 413 | 11076446 (825, 826) | Novel Protein sim. GBank gij3261784[emb]CAB08997] - (Z95558) htpX [Mycobacterium tuberculosis] | | eph | 264605 |
| 414 | 82050554 (827, 828) | Novel Protein sim. GBank gij129036[sp]P20707[ODO1_AZOVI - 2-OXOGLUTARATE DEHYDROGENASE E1 COMPONENT (ALPHA-KETOGLUTARATE DEHYDROGENASE)] | | dehydrogenase | 18108374, 264760, 264769, 264602, 264638, 264603, 264909, 264605 |
| 415 | 84453144 (829, 830) | Novel Protein sim. GBank gij4868350[gb]AAD31273.1[AF13202 - (AF132025) rhophilin [Drosophila melanogaster]] | | UNCLASSIFIED | 264908, 87168518 |
| 416 | 80402775 (831, 832) | Novel Protein sim. GBank gij2555172 (AF025543) - AtCC; carbamate kinase [Rhizobium etli] | | kinase | 264488, 264600, 264602, 264764, 264636 |
| 417 | 20153787 (833, 834) | Novel Protein sim. GBank gij1709171[sp]P52311[MTX2_XANOR - MODIFICATION METHYLASE XORII (CYTOSINE-SPECIFIC METHYLTRANSFERASE XORII) (M.XORII)] | Contains protein domain (PF00145) - C-5 cytosine-specific DNA methylase | | 264605 |
| 418 | 94125841 (835, 836) | | | UNCLASSIFIED | 264689, 264693 |
| 419 | 95314273 (837, 838) | | | collagen | 264908, 264910, 264764, 264639 |
| 420 | 37036349 (839, 840) | Novel Protein sim. GBank gij3261659[emb]CAB03751] - (Z81368) hypothetical protein Rv2419c [Mycobacterium tuberculosis] | Contains protein domain (PF00300) - Phosphoglycerate mutase family | phosphatase | 264769 |
| 421 | 95292942 (841, 842) | Novel Protein sim. GBank gij2916942[emb]CAA17580] - (AL021999) hypothetical protein Rv0981 [Mycobacterium tuberculosis] | Contains protein domain (PF00072) - Response regulator receiver domain | phosphatase | 264906, 264600, 264601, 264603, 264604, 264760, 264769 |
| 422 | 79471293 (843, 844) | Novel Protein sim. GBank gij231752[sp]Q00767[CH61_STRAL - 60 KD CHAPERONIN 1 (PROTEIN CPN60 1) (GROEL PROTEIN 1) (HSP58)] | Contains protein domain (PF00118) - TCP-1/cpn60 chaperonin family | eph | 22278996, 264682, 18108376, 18108387 |
| 423 | 79604948 (845, 846) | | | UNCLASSIFIED | 264509 |

| | | | | | |
|-----|---------------------|--|---|-------------------|---|
| 424 | 78965557 (847, 848) | Novel Protein sim. GBank gi 4826814 ref NP_004977.1 pKTN1 - kinesin 1 (kinesin receptor) | | struct | 265019 |
| 425 | 80431450 (848, 850) | Novel Protein sim. GBank gi 1703701 bbs 178462 - KRP5=kinesin-related protein [rats, testes, Peptide Partial, 167 aa] | Contains protein domain (PF00225) - Kinesin motor domain | struct | 264909, 265007, 55811386, 264768, 55810764 |
| 426 | 80064522 (851, 852) | | | | 264605, 264559 |
| 427 | 80057232 (853, 854) | Novel Protein sim. GBank gi 231829 sp P29929 COBN_PSEDE - COBN PROTEIN | | UNCLASSIFIED | 264603, 264636 |
| 428 | 79487798 (855, 856) | Novel Protein sim. GBank gi 81286 pir S22697 - extensin - Volvox carter (fragment) | | UNCLASSIFIED | 264683 |
| 429 | 80091252 (857, 858) | Novel Protein sim. GBank gi 1806154 emb CAB064511 - (Z84395) hypothetical protein Rv0688 [Mycobacterium tuberculosis] | | UNCLASSIFIED | 35698423, 35695763, 35695855, 265017, 264564, 264782 |
| 430 | 80504192 (859, 860) | Novel Protein sim. GBank gi 1806154 emb CAB064511 - (Z84395) hypothetical protein Rv0688 [Mycobacterium tuberculosis] | reductase | | 264508, 264905, 264509, 264908, 264909, 265008, 264600, 264687, 264769, 264689, 264636, 264638, 18108385, 264486 |
| 431 | 20824249 (861, 862) | | | | 264566 |
| 432 | 16525372 (863, 864) | | | | 265020 |
| 433 | 81494303 (865, 866) | Novel Protein sim. GBank gi 3123552 emb CAA186091 - (AL022578) dJ393P12.2 (hypothetical Proline-rich protein KIAA0269 LIKE) [Homo sapiens] | | UNCLASSIFIED | 264907, 264908, 264909, 264910, 264592, 264595, 264758, 264604, 264760, 264762, 264763, 264636, 264637, 22279002 |
| 434 | 94326323 (867, 868) | Novel Protein sim. GBank gi 2495272 sp Q99826 CDX2_HUMAN - HOMEBOX PROTEIN CDX-2 (CAUDAL-TYPE HOMEBOX PROTEIN 2) (CDX-3) | Contains protein domain (PF00169) - PH domain | UNCLASSIFIED | 55812038, 56182181, 56181562, 29331828, 35896092, 55810764, 55811576, 65274791, 35695855, 60432113, 55811150, 264636, 264766 |
| 435 | 80502738 (869, 870) | Novel Protein sim. GBank gi 114105 sp P08532 ARAH_ECOLI - L-ARABINOSE TRANSPORT SYSTEM PERMEASE PROTEIN ARAH | | transport | 264595, 264769 |
| 436 | 41085953 (871, 872) | | | UNCLASSIFIED | 265020, 22279002 |
| 437 | 11399291 (873, 874) | | | UNCLASSIFIED | 264593 |
| 438 | 11773835 (875, 876) | | | UNCLASSIFIED | 264686 |
| 439 | 80019495 (877, 878) | Novel Protein sim. GBank gi 3242702 (AC003040) - hypothetical protein [Arabidopsis thaliana] | | UNCLASSIFIED | 264905, 264600, 264602, 264604 |
| 440 | 79841062 (879, 880) | Novel Protein sim. GBank gi 2291232 gb AA865351.1 - (AF016427) Contains similarity to Pfam domain: PF00004 (AAA). Score=288.1, E-value=3.7e-77, N=1 [Caenorhabditis elegans] | Contains protein domain (PF00004) - ATPases associated with various cellular activities (AAA) | ATPase-associated | 35696052, 264905, 264908, 264909, 265011, 35698423 |
| 441 | 20396935 (881, 882) | Novel Protein sim. GBank gi 5839946 gb AAD45904.1 AF16132 - (AF161328) histidine kinase CstS [Corynebacterium diphtheriae] | | | 264605 |
| 442 | 85281058 (883, 884) | Novel Protein sim. GBank gi 1184790 (U46068) - von Ebner minor salivary gland protein [Mus musculus] | | UNCLASSIFIED | 29331830, 264909 |
| 443 | 82456427 (885, 886) | Novel Protein sim. GBank gi 5689893 emb CAB52056.1 - (AL109732) putative ATP-binding RNA helicase [Streptomyces coelicolor A3(2)] | | UNCLASSIFIED | 35696052, 264508, 264906, 264512, 264604, 264762, 264769, 264689, 264636 |
| 444 | 11395897 (887, 888) | Novel Protein sim. GBank gi 1783249 dbj BAA11726 - (D83026) homologous to citrate-sodium symport (citrate transporters); hypothetical [Bacillus subtilis] | | UNCLASSIFIED | 264591 |

| | | | | | |
|-----|---------------------|--|--|-------------------|--|
| 445 | 79552709 (889, 890) | Novel Protein sim. GBank gij5531272[emb CAB50897.1] - (AJ243800) WSC4 homologue [Kluyveromyces fragilis] | | UNCLASSIFIED | 264693 |
| 446 | 79810937 (891, 892) | Novel Protein sim. GBank gij538413 (L36315) - zinc finger protein [Mus musculus] | Contains protein domain (PF000098) - Zinc finger, C2H2 type | | 264509 |
| 447 | 80438886 (893, 894) | Novel Protein sim. GBank gij1542914[emb CAB02185] - (Z80108) fml [Mycobacterium tuberculosis] | Contains protein domain (PF00551) - Formyl transferase | transcript factor | 264768, 55811576 |
| 448 | 80238110 (895, 896) | Novel Protein sim. GBank gij118794[sp P10443 DP3A_ECOLI - DNA POLYMERASE III, ALPHA CHAIN | | dehydrogenase | 264508, 264600, 264603, 264605, 264682, 264789, 18108362, 264634, 18108387 |
| 449 | 20460634 (897, 898) | Novel Protein sim. GBank gij2493000[sp Q09450 SCOT_CAEEL - PROBABLE SUCCINYL-COA:3-KETOACID-COENZYME A TRANSFERASE PRECURSOR (3-OXOACID COA-TRANSFERASE) | | polymerase | 264605, 264559 |
| 450 | 84631210 (899, 900) | Novel Protein sim. GBank gij4589506[dbj BAA76775.1] - (AB023148) KIAA0931 protein [Homo sapiens] | Contains protein domain (PF00481) - Protein phosphatase 2C | phosphatase | 65274572, 22278998, 29331824, 29331826, 264906, 264910, 264592, 52846317, 265017, 21906767, 55811957, 56526486, 22279002 |
| 451 | 21433609 (901, 902) | | | UNCLASSIFIED | 264486 |
| 452 | 10267276 (903, 904) | Novel Protein sim. GBank gij2650614 (AE001104) - conserved hypothetical protein [Archaeoglobus fulgidus] | | | 264692 |
| 453 | 52560096 (905, 906) | Novel Protein sim. GBank gij2493000[sp Q09450 SCOT_CAEEL - PROBABLE SUCCINYL-COA:3-KETOACID-COENZYME A TRANSFERASE PRECURSOR (3-OXOACID COA-TRANSFERASE) | | UNCLASSIFIED | 264907, 264600 |
| 454 | 39523922 (907, 908) | Novel Protein sim. GBank gij4468699[emb CAB38153.1] - (AL035591) putative integral membrane export protein [Streptomyces coelicolor] | | transferase | 264603 |
| 455 | 13089692 (909, 910) | Novel Protein sim. GBank gij3411053 (AF034863) - synaptic scaffolding molecule [Rattus norvegicus] | | UNCLASSIFIED | 264687 |
| 456 | 79563081 (911, 912) | | | UNCLASSIFIED | 264691 |
| 457 | 79831273 (913, 914) | | | | 264905 |
| 458 | 79581227 (915, 916) | Novel Protein sim. GBank gij4506075[ref NP_002733.1 pPRKC - protein kinase C, mu 1] | Contains protein domain (PF00595) - PDZ domain (Also known as DHR or GLGF). | kinase | 55812038, 265010, 265018, 264681 |
| 459 | 80567359 (917, 918) | Novel Protein sim. GBank gij113158[sp P25516 ACO1_EC01 - ACONITATE HYDRATASE 1 (CITRATE HYDRO-LYASE 1) (ACONITASE 1) | Contains protein domain (PF00130) - Phorbol esters/diacylglycerol binding domain (C1 domain) | kinase | 22278997, 264259, 29331826, 265018, 264448, 264369, 21906765, 35696423 |
| 460 | 79245890 (919, 920) | Novel Protein sim. GBank gij1168574[sp P42464 ATPB_CORGL - ATP SYNTHASE BETA CHAIN | | UNCLASSIFIED | 264906 |
| 461 | 95287618 (921, 922) | Novel Protein sim. GBank gij1168574[sp P42464 ATPB_CORGL - ATP SYNTHASE BETA CHAIN | | synthase | 264602, 264605, 264768, 264769, 265021, 33657023, 264559 |

| | | | | | |
|-----|---------------------|---|--|---------------|---|
| 462 | 79606589 (923, 924) | Novel Protein sim. GBank gi 1348891 sp P45597 PTF1_XANCP - MULTIPHOSPHORYL TRANSFER PROTEIN (MTP) (CONTAINS: PHOSPHOENOLPYRUVATE-PROTEIN PHOSPHOTRANSFERASE (PHOSPHOTRANSFERASE SYSTEM, ENZYME I); PHOSPHOCARRIER PROTEIN HPR (PROTEIN H); PTS SYSTEM, FRUCTOSE-SPECIFIC IIA COMPONENT ... | Contains protein domain (PF00391) - PEP-utilizing enzymes | UNCLASSIFIED | 264907 |
| 463 | 79786417 (925, 926) | Novel Protein sim. GBank gi 854065 emb CAA58337 - (X83413) U88 [Human herpesvirus 6] | | UNCLASSIFIED | 264905, 264906, 264908, 264909, 264910, 264591, 264595, 265011, 264632, 264635, 264636, 264637, 264638, 264639 |
| 464 | 82340151 (927, 928) | Novel Protein sim. GBank gi 5689776 emb CAB52137.1 - (AJ242832) calpain [Homo sapiens] | Contains protein domain (PF00648) - Calpain family cysteine protease | UNCLASSIFIED | 264634 |
| 465 | 83005730 (929, 930) | Novel Protein sim. GBank gi 1806175 emb CAB06470 - (Z84395) tpsC [Mycobacterium tuberculosis] | Contains protein domain (PF00417) - Ribosomal protein S3, N-terminal domain. | calthepsin | 265017, 21906764, 265020 |
| 466 | 20460645 (931, 932) | Novel Protein sim. GBank | | ribosomalprot | 264605, 264559 |
| 467 | 80409035 (933, 934) | Novel Protein sim. GBank gi 548705 sp P36949 IRBSB_BACSU - D-RIBOSE-BINDING PROTEIN PRECURSOR | | UNCLASSIFIED | 264764 |
| 468 | 52582208 (935, 936) | Novel Protein sim. GBank gi 2114024 emb CAB08957 - (Z95558) grcC1 [Mycobacterium tuberculosis] | | UNCLASSIFIED | 264692 |
| 469 | 19520527 (937, 938) | Novel Protein sim. GBank gi 2909459 emb CAA17347 - (AL021929) cobQ [Mycobacterium tuberculosis] | | UNCLASSIFIED | 264488 |
| 470 | 80502756 (939, 940) | Novel Protein sim. GBank | | synthase | 264602, 264769 |
| 471 | 17937351 (941, 942) | Novel Protein sim. GBank gi 114921 sp P17447 BETT_ECOLI - HIGH-AFFINITY CHOLINE TRANSPORT PROTEIN | | transport | 265019 |
| 472 | 80047458 (943, 944) | Novel Protein sim. GBank gi 862343 (L10908) - Gcap1 gene product [Mus musculus] | | | |
| 473 | 20558793 (945, 946) | | | UNCLASSIFIED | 264596, 264685, 264557 264369 |
| 474 | 80593365 (947, 948) | | | UNCLASSIFIED | 22278997, 264692, 264288 |
| 475 | 82454665 (949, 950) | | | UNCLASSIFIED | 264907, 264908, 264511, 265009, 264762, 264448, 264636, 264638 |
| 476 | 94143857 (951, 952) | Novel Protein sim. GBank gi 5453656 ref NP_006329.1 pGAC1 - glioma amplified on chromosome 1 protein (leucine-rich) | Contains protein domain (PF00560) - Leucine Rich Repeat | glycoprotein | 65274572, 60432049, 264259, 264508, 52644045, 55812038, 264758, 265011, 264288, 264686, 52644229, 65274791, 264638, 264566 |
| 477 | 79175833 (953, 954) | | | UNCLASSIFIED | 264636 |
| 478 | 79633483 (955, 956) | | | UNCLASSIFIED | 264690, 264693 |
| 479 | 80189746 (957, 958) | | | collagen | 264686, 35695855, 265008, 264631, 264910, 264632, 264638, 265018, 264369, 264909 |
| 480 | 79390729 (959, 960) | Novel Protein sim. GBank gi 1127551 (U18939) - orf2 [Batrachocottus baikalensis] | | mapolymerase | 264369 |
| 481 | 79624578 (961, 962) | | | UNCLASSIFIED | 264693 |
| 482 | 83050611 (963, 964) | Novel Protein sim. GBank gi 4063042 (AF068065) - GP900; mucin-like glycoprotein [Cryptosporidium parvum] | | UNCLASSIFIED | 264909, 264686, 264768, 264693, 55811576, 56182323, 18108385 |

| | | | | | |
|-----|---------------------|---|---|---------------|--|
| 483 | 20293306 (865, 866) | Novel Protein sim. GBank gij2104303[lemb]CAB08632] - (Z95387) hypothetical protein Rv2610c [Mycobacterium tuberculosis] | Contains protein domain (PF00534) - Glycosyl transferases group 1 | | 264600 |
| 484 | 11618046 (867, 868) | Novel Protein sim. GBank gij3450883 (AF083334) - fibroin [Antheraea pernyi] | | UNCLASSIFIED | 264594 |
| 485 | 80191234 (869, 970) | Novel Protein sim. GBank gij504222[lemb]CAB44526.1] - (AL078618) nuoF, NADH dehydrogenase subunit [Streptomyces coelicolor] | | UNCLASSIFIED | 264369, 21906765, 22279000, 22279002 |
| 486 | 80059042 (971, 972) | | | dehydrogenase | 264604 |
| 487 | 11813339 (973, 974) | | | | 264638 |
| 488 | 91222383 (975, 976) | Novel Protein sim. GBank gij5724778[gb]AAC53522.2] - (AF012273) rho-type GTPase-activating protein rhoGAPX-1 [Mus musculus] | Contains protein domain (PF00620) - RhoGAP domain | | 264686, 66714117, 264768, 18108385, 55811576, 265006, 265008, 265009, 265019, 22279002, 264259, 18108370, 264907, 264764, 56182323, 264288, 264693 |
| 489 | 10867710 (977, 978) | Novel Protein sim. GBank gij3882223[dbj]BAA34471.1] - (AB018294) KIAA0751 protein [Homo sapiens] | | kinase | 264639 |
| 490 | 95361124 (979, 980) | Novel Protein sim. GBank gij82091[pir]A25494 - hydroxyproline-rich glycoprotein - tomato (fragment) | | collagen | 22278996, 29331822, 29331828, 264107, 264909, 264110, 265009, 264592, 264593, 60433356, 264288, 264693, 263974, 263976, 20281071, 60432113 |
| 491 | 80496412 (981, 982) | Novel Protein sim. GBank gij2894206[lemb]CAA17072] - (AL021840) hypothetical protein Rv3258c [Mycobacterium tuberculosis] | | UNCLASSIFIED | 264769 |
| 492 | 87421264 (983, 984) | | | | 264600 |
| 493 | 11692942 (985, 986) | | | UNCLASSIFIED | 264638 |
| 494 | 87726604 (987, 988) | Novel Protein sim. GBank gij5262605[lemb]CAB45743.1] - (AL080150) hypothetical protein [Homo sapiens] | | UNCLASSIFIED | 264489, 35696286, 60432289, 29331828, 35696052, 264509, 264905, 264906, 264907, 264908, 264909, 264510, 264511, 265009, 264910, 33657402, 264762, 264764, 264768, 264769, 264688, 21906765, 21906769, 35695917, 265020, 264693, 33657109, 264629, 35696423, 35695855, 264634, 264638 |
| 495 | 80028599 (989, 990) | Novel Protein sim. GBank gij2791517[lemb]CAA16054] - (AL021246) hypothetical protein Rv2477c [Mycobacterium tuberculosis] | Contains protein domain (PF00005) - ABC transporter | transport | 264602, 264682, 264638 |
| 496 | 78985624 (991, 992) | Novel Protein sim. GBank gij230281[pdb]1R69] - 434 Repressor (Amino-Terminal Domain) (R1-69) | Contains protein domain (PF01381) - Helix-turn-helix | | 264601, 265021 |
| 497 | 78949661 (993, 994) | Novel Protein sim. GBank gij129736[piP]28225[PDXH_ECOLI - PYRIDOXAMINE 5'-PHOSPHATE OXIDASE (PNP/IMP OXIDASE)] | | oxidase | 265006 |

| | | | | | |
|-----|-----------------------|--|--|--------------|--|
| 498 | 98095488 (995, 996) | Novel Protein sim. GBank gj1145789 (U41662) - neuroiligin 2 [Rattus norvegicus] | Contains protein domain (PF00135) - Carboxylesterases | esterase | 264259, 29331826, 35696052, 264508, 264509, 264905, 264906, 264907, 264908, 264909, 264510, 264511, 265009, 264910, 264591, 33657402, 264758, 265010, 265011, 264600, 264601, 264605, 264683, 264764, 264766, 264767, 264768, 264887, 264769, 21906767, 33657023, 264693, 264628, 264629, 35696423, 264630, 264632, 264634, 264635, 264637, 264638, 264558, 264639, 18108385, 264563, 264564, 264565, 264566, 264567, 264605 |
| 499 | 20438222 (997, 998) | Novel Protein sim. GBank gj97480 pir S19739 - integral membrane protein - Rhodobacter capsulatus | | UNCLASSIFIED | |
| 500 | 11076810 (999, 1000) | | | | 264605 |
| 501 | 13418034 (1001, 1002) | Novel Protein sim. GBank gj5708250 emb CAB52363.1 - (AL109747) putative integral membrane protein [Streptomyces coelicolor A3(2)] | | UNCLASSIFIED | 264688 |
| 502 | 80021176 (1003, 1004) | Novel Protein sim. GBank gj4468678 emb CAB38132.1 - (AL035591) glucose-6-phosphate isomerase [Streptomyces coelicolor] | Contains protein domain (PF00342) - Phosphoglucose isomerase | isomerase | 22278996, 265011, 264602, 264605, 264635 |
| 503 | 20264483 (1005, 1006) | | | UNCLASSIFIED | 264584 |
| 504 | 10887321 (1007, 1008) | | | UNCLASSIFIED | 264687 |
| 505 | 95003068 (1009, 1010) | | | UNCLASSIFIED | 264369 |
| 506 | 16454292 (1011, 1012) | | | | 265010 |
| 507 | 20451598 (1013, 1014) | Novel Protein sim. GBank gj14033509 sp P02598 CALM_TETPY - CALMODULIN [Novel Protein sim. GBank gj12501069 sp Q46127 SYW_CLOLO - TRYPTOPHANYL-TRNA SYNTHETASE (TRYPTOPHAN--TRNA LIGASE) (TRPRS)] | Contains protein domain (PF00036) - EF hand | UNCLASSIFIED | 264604 |
| 508 | 79841424 (1015, 1016) | Novel Protein sim. GBank gj1466068 sp P34618 YO82_CAEEL - HYPOTHETICAL 33.8 KD PROTEIN ZK1236.2 IN CHROMOSOME III | | UNCLASSIFIED | 264908 |
| 509 | 11776386 (1017, 1018) | | | | 264638 |
| 510 | 83373465 (1019, 1020) | | | UNCLASSIFIED | 264687, 264639 |
| 511 | 16525578 (1021, 1022) | | | | 265007 |
| 512 | 20399484 (1023, 1024) | Novel Protein sim. GBank gj12497419 sp P55635 Y4RB_RHISN - PUTATIVE INTEGRASE/RECOMBINASE Y4RB | | UNCLASSIFIED | 264565 |
| 513 | 79457404 (1025, 1026) | Novel Protein sim. GBank gj11276897 (U41809) - cyclin J [Drosophila melanogaster] | Contains protein domain (PF00134) - Cyclin | cyclin | 264683, 264689, 35696423, 264639 |
| 514 | 79813805 (1027, 1028) | Novel Protein sim. GBank gj1184790 (U46068) - von Ebner minor salivary gland protein [Mus musculus] | | UNCLASSIFIED | 29331830, 264909 |
| 515 | 79462591 (1029, 1030) | | | | 22278999, 264690 |
| 516 | 9862020 (1031, 1032) | Novel Protein sim. GBank gj12127400 pir S65770 - maltotrioglycyltrehalose trehalohydrolase - Arthrobacter sp. (strain Q36) | | amylase | 264910 |

| | | | | | |
|-----|-----------------------|---|---|-------------------|--|
| 517 | 95292994 (1033, 1034) | Novel Protein sim. GBank gij2983605 (AE000725) - ribose 5 phosphate isomerase B [Aquifex aeolicus] | | isomerase | 265018, 264605, 264764, 264766, 264687, 264691, 264565 |
| 518 | 8491831 (1035, 1036) | Novel Protein sim. GBank gij854065 [emb]CAA58337] - (X83413) U88 [Human herpesvirus 6] | | UNCLASSIFIED | 264487 |
| 519 | 91677886 (1037, 1038) | Novel Protein sim. GBank gij5689365 [dbj]BAA83073.1] - (AB024075) B120 [Homo sapiens] | Contains protein domain (PF01388) - ARID DNA binding domain | dna_rna_bind | 52644507, 22278997, 22278998, 60432049, 264259, 52645080, 29331824, 66714117, 60424269, 29331826, 35696052, 264905, 29331830, 66712502, 264511, 265007, 264591, 60432229, 33657402, 60433438, 21906754, 33109954, 52844296, 87188474, 87168559, 265017, 265018, 264604, 265019, 264681, 264448, 264389, 264288, 264685, 21906765, 21906766, 21906767, 21906769, 265021, 60170615, 33657023, 264692, 52645129, 33657109, 27486262, 27486264, 35695763, 18108370, 264629, 52644332, 56182323, 264639, 83373044, 18108385, 56526486, 60432113 |
| 520 | 79869188 (1039, 1040) | | | | 264769 |
| 521 | 11076821 (1041, 1042) | Novel Protein sim. GBank gij1169128 [sp]P46839 [CTPA_MYCLE - CATION-TRANSPORTING P-TYPE ATPASE A] | | transport | 264605 |
| 522 | 80435060 (1043, 1044) | Novel Protein sim. GBank gij1172869 [sp]P44331 [RBSK_HAEIN - RIBOKINASE] | Contains protein domain (PF00294) - p16B family carbohydrate kinase | kinase | 264905, 264768 |
| 523 | 18356013 (1045, 1046) | Novel Protein sim. GBank gij2132243 [pir]S61028 - hypothetical protein YPL236c - yeast (Saccharomyces cerevisiae) | | UNCLASSIFIED | 264629 |
| 524 | 80261805 (1047, 1048) | Novel Protein sim. GBank gij4033608 [dbj]BAA35136] - (AB012308) B2HC [Anthracidaris crassispina] | | ATPase_associated | 264092, 264596, 265011 |
| 525 | 79610046 (1049, 1050) | | | | 264907 |
| 526 | 36827630 (1051, 1052) | Novel Protein sim. GBank gij4106610 [emb]CAA21365] - (AL031866) ORF42, len=386 aa, similarity to an aminotransferase. In P95957 Sulfolobus solfataricus, (401 aa), 33.1% identity in 393 aa overlap. Fasta scores: opt-468, E(): 8.5e-24, In Q64602 R. norvegicus, (425 aa), 28.6% ident... | | UNCLASSIFIED | 264758 |
| 527 | 80504729 (1053, 1054) | | | UNCLASSIFIED | 264769 |
| 528 | 65484134 (1055, 1056) | | | UNCLASSIFIED | 56182575, 265017, 265018 |
| 529 | 17936810 (1057, 1058) | Novel Protein sim. GBank gij731088 [sp]P24215 [UXUA_ECOLI - MANNONATE DEHYDRATASE (D-MANNONATE HYDROLASE)] | | hydrolase | 265019 |
| 530 | 10887336 (1059, 1060) | Novel Protein sim. GBank gij42144 [emb]CAA25200] - (X00513) NusA protein (nusA) [Escherichia coli] | | UNCLASSIFIED | 264687 |
| 531 | 80226576 (1061, 1062) | | | UNCLASSIFIED | 264555, 264556, 264557, 264558, 18108385 |
| 532 | 90933444 (1063, 1064) | Novel Protein sim. GBank gij5262840 [emb]CAB45758.1] - (AL080170) hypothetical protein [Homo sapiens] | Contains protein domain (PF00622) - SPRY domain | UNCLASSIFIED | 264488, 264490, 264259, 264592, 264760, 265021, 264690, 263976, 264558 |

| | | | | | |
|-----|-----------------------|--|--|-------------------|--|
| 533 | 87761531 (1065, 1066) | Novel Protein sim. GBank gi 4883836 gb AAD31593.1 AF11229 - (AF112299) integral inner nuclear membrane protein MAN1 [Homo sapiens] | | | 264907, 264909, 264768, 35695917, 264630, 264555 |
| 534 | 82368264 (1067, 1068) | Novel Protein sim. GBank gi 2995352 emb CAA04606.1 - (AJ001206) pep1 [Streptomyces coelicolor] | UNCLASSIFIED | | |
| 535 | 79641850 (1069, 1070) | Novel Protein sim. GBank gi 3878638 emb CAA68953 - (Z49128) similar to cAMP-dependent protein kinase; cDNA EST EMBL: T00719 comes from this gene; cDNA EST yk465d8.3 comes from this gene; cDNA EST yk465d8.5 comes from this gene; cDNA EST yk492f4.3 comes from this gene; cDNA EST y... | Contains protein domain (PF000069) - Eukaryotic protein kinase domain | ATPase-associated | 264905, 265011, 264601, 264602, 264605, 264762, 264768, 265020, 264693, 264636 264906 |
| 536 | 79907207 (1071, 1072) | Novel Protein sim. GBank gi 2495628 sp P55757 YOH1_SERMA - HYPOTHETICAL 10.1 KD PROTEIN IN BIOA 5 REGION | reductase | | 18108376, 264905, 264906, 264907, 264909 |
| 537 | 94147448 (1073, 1074) | | | | 265008, 264605, 65274791 |
| 538 | 87821963 (1075, 1076) | Novel Protein sim. GBank gi 134920 sp P21997 SSGP_VOLCA - SULFATED SURFACE GLYCOPROTEIN 185 (SSG 185) | collagen | | 29331822, 29331824, 29331825, 29331826, 29331827, 264908, 52644045, 33657402, 265017, 264762, 264683, 264288, 264685, 21906765, 35695763, 264558, 60170394, 264559, 22279002 |
| 539 | 28396268 (1077, 1078) | Novel Protein sim. GBank gi 2498433 sp Q12341 HAT1_YEAST - HISTONE ACETYLTRANSFERASE | histone | | 264602, 265019 |
| 540 | 79637077 (1079, 1080) | | | | 264693 |
| 541 | 87762268 (1081, 1082) | Novel Protein sim. GBank gi 3882241 db BAA34480.1 - (AB018303) KIAA0760 protein [Homo sapiens] | transcription factor | | 18108394, 22278997, 22278998, 264259, 264112, 265009, 33657402, 55812038, 52646317, 265017, 21906765, 264693, 55811576, 264635, 56526486, 264566 |
| 542 | 95295838 (1083, 1084) | Novel Protein sim. GBank gi 5042272 emb CAB44526.1 - (AL078618) nuoF, NADH dehydrogenase subunit [Streptomyces coelicolor] | dehydrogenase | | 264910, 265018, 264689, 264638, 264486 |
| 543 | 79786290 (1085, 1086) | | | | |
| 544 | 20437191 (1087, 1088) | Novel Protein sim. GBank gi 2791338 emb CAA15994 - (AL021184) hypothetical protein Rv1464 [Mycobacterium tuberculosis] | UNCLASSIFIED | | 264602, 264908 |
| 545 | 80434504 (1089, 1090) | | UNCLASSIFIED | | 264605 |
| 546 | 80249016 (1091, 1092) | Novel Protein sim. GBank gi 4887211 gb AAD32237.1 AF14744 - (AF147449) penicillin binding protein 1B [Pseudomonas aeruginosa] | | | 264768, 264634, 264907, 264592, 264909 264600, 264602, 21906765 |
| 547 | 11077563 (1093, 1094) | Novel Protein sim. GBank gi 350855 sp P19176 RPOC_PSEPU - DNA-DIRECTED RNA POLYMERASE BETA' CHAIN (TRANSCRIPTASE BETA' CHAIN) (RNA POLYMERASE BETA' SUBUNIT) | rnapiomerase | | 264604 |
| 548 | 82114936 (1095, 1096) | Novel Protein sim. GBank gi 2330021 (AF019250) - kinesin- related protein; KRP; Costal2 [Drosophila melanogaster] | UNCLASSIFIED | | 264488, 264905, 264910, 264760, 264693, 264639, 264563, 264564 |

| | | | | | |
|-----|-----------------------|---|--|------------------|--|
| 549 | 95421904 (1097, 1098) | Novel Protein sim. GBank gi 4337450 gb AAD18133 - (AF056195) neuroblastoma-amplified protein [Homo sapiens] | | UNCLASSIFIED | 264488, 65274572, 18108398, 22278995, 22278996, 22278997, 22278998, 22278999, 264259, 29331824, 66714117, 29331825, 29331826, 35696052, 265007, 265008, 264910, 264592, 33657402, 33109954, 265017, 265018, 265019, 18108351, 264448, 264764, 264369, 264288, 264768, 264686, 264688, 21906765, 21906766, 21906767, 21906768, 21906769, 265020, 264691, 33657023, 264692, 264693, 65274620, 52645129, 33657109, 27486261, 27486262, 27486264, 33657349, 55811576, 18108387, 60432113, 22279002 |
| 550 | 10886616 (1099, 1100) | | | | 264688 |
| 551 | 80439990 (1101, 1102) | Novel Protein sim. GBank gi 3122893 sp P94985 SYFB_MYCTU - PHENYLALANYL-TRNA SYNTHETASE BETA CHAIN (PHENYLALANINE--TRNA LIGASE BETA CHAIN) (PHERS) | | UNCLASSIFIED | 264908, 264909, 264768 |
| 552 | 94672870 (1103, 1104) | | | | |
| 553 | 80106002 (1105, 1106) | Novel Protein sim. GBank gi 552087 (M33753) - crumbs protein [Drosophila melanogaster] | Contains protein domain (PF000008) - EGF-like domain | UNCLASSIFIED | 264689, 264639, 264563 |
| 554 | 79618379 (1107, 1108) | Novel Protein sim. GBank gi 5019771 gb AAD37857.1 AF13326 - (AF133263) histidine protein kinase-response regulator hybrid protein CvgSY [Pseudomonas syringae pv. syringae] | kinase | | 264905 |
| 555 | 78996347 (1109, 1110) | Novel Protein sim. GBank gi 131515 sp P02908 PTGA_SALTY - PTS SYSTEM, GLUCOSE-SPECIFIC IIA COMPONENT (EIIA-GLC) (GLUCOSE-PERMEASE IIA COMPONENT) (PHOSPHOTRANSFERASE ENZYME II, A COMPONENT) (EIIA-GLC) | Contains protein domain (PF003358) - phosphoenolpyruvate-dependent sugar phosphotransferase system, EIIA 1 | transport | 264762 |
| 556 | 20457127 (1111, 1112) | Novel Protein sim. GBank gi 3914014 sp P96380 MFD_MYCTU - TRANSCRIPTION-REPAIR COUPLING FACTOR (TRCF) | | transcriptfactor | 264508, 264605, 264559 |
| 557 | 19523405 (1113, 1114) | Novel Protein sim. GBank gi 5042273 emb CAB44527.1 - (AL078818) nuoE, NADH dehydrogenase subunit [Streptomyces coelicolor] | | dehydrogenase | 264488 |
| 558 | 20724429 (1115, 1116) | Novel Protein sim. GBank gi 1170933 sp P45331 METE_HAEIN - 5-METHYLTETRAHYDROPTEROYLTRIGLUTAMATE--HOMOCYSTEINE METHYLTRANSFERASE (METHIONINE SYNTHASE, VITAMIN-B12 INDEPENDENT ISOZYME) (COBALAMIN-INDEPENDENT METHIONINE SYNTHASE) | | UNCLASSIFIED | 264602 |
| 559 | 80084353 (1117, 1118) | Novel Protein sim. GBank gi 4980567 gb AAD35173.1 AE001694 - (AE001694) iron(III) ABC transporter, permease protein [Thermotoga maritima] | | UNCLASSIFIED | 264634 |

| | | | | | |
|-----|-----------------------|--|---|----------------|---|
| 560 | 80066533 (1119, 1120) | Novel Protein sim. GBank gij2492595jipj053193jY4TR_RHISN - PROBABLE PEPTIDE ABC TRANSPORTER ATP-BINDING PROTEIN Y4TR | Contains protein domain (PF000005) - ABC transporter | transport | 18108396, 264906, 264602, 264604, 18108374 |
| 561 | 20293187 (1121, 1122) | | | UNCLASSIFIED | 264600 |
| 562 | 11698161 (1123, 1124) | | | UNCLASSIFIED | 264689 |
| 563 | 79761420 (1125, 1126) | Novel Protein sim. GBank gij4104925 (AF042276) - poly(hydroxyvalcanoate) granule associated protein GA2 [Pseudomonas putida] | | UNCLASSIFIED | 264910, 264691 |
| 564 | 56716390 (1127, 1128) | Novel Protein sim. GBank gij2792310 (AF040570) - unknown [Amycolatopsis mediterranei] | | dehydrogenase | 264592 |
| 565 | 56465618 (1129, 1130) | Novel Protein sim. GBank gij3449294 [dbj BAA32462] - (AB011532) MEGF6 [Rattus norvegicus] | Contains protein domain (PF000008) - EGF-like domain | synthase | 265010 |
| 566 | 94323888 (1131, 1132) | Novel Protein sim. GBank gij4539568 [emb CAB38487.1] - (AL035636) putative helicase [Streptomyces coelicolor] | | helicase | 264909, 264510, 265008, 264910, 264758, 264600, 264602, 264604, 264605, 264768, 264687, 264689, 35695917, 264693, 65274620, 264486 |
| 567 | 79560955 (1133, 1134) | Novel Protein sim. GBank gij100506 [pir J17455 - Malate dehydrogenase (oxaloacetate-decarboxylating) (NADP+) (EC 1.1.1.40) - Flavaria trimeria (fragment)] | Contains protein domain (PF00390) - Malic enzyme | UNCLASSIFIED | 264681, 264691, 264593 |
| 568 | 94681793 (1135, 1136) | Novel Protein sim. GBank gij3915843 [sp O31212] IRS2_STRCO - 30S RIBOSOMAL PROTEIN S2 | Contains protein domain (PF00318) - Ribosomal protein S2 | ribosomal prot | 264565 |
| 569 | 39506897 (1137, 1138) | Novel Protein sim. GBank gij11512 [sp P21627] BRAD_PSEAE - HIGH-AFFINITY BRANCHED-CHAIN AMINO ACID TRANSPORT PROTEIN BRAD | | UNCLASSIFIED | 18108376, 18108387, 264565 |
| 570 | 78375927 (1139, 1140) | | | transport | 264907, 264909 |
| 571 | 79793961 (1141, 1142) | | | | |
| 572 | 36996838 (1143, 1144) | Novel Protein sim. GBank gij4539223 [emb CAB39881.1] - (AL049497) putative integral membrane protein [Streptomyces coelicolor] | | UNCLASSIFIED | 264762 |
| 573 | 20715521 (1145, 1146) | | | UNCLASSIFIED | 265007, 264601 |
| 574 | 13521582 (1147, 1148) | | | | |
| 575 | 13076416 (1149, 1150) | Novel Protein sim. GBank gij118794 [sp P10443] DP3A_ECOLI - DNA POLYMERASE III, ALPHA CHAIN | | polymerase | 264636 264687 |
| 576 | 20482246 (1151, 1152) | Novel Protein sim. GBank gij5457625 [emb CAB49116.1] - (AJ248283) PAB2227 [Pyrococcus abyssi] | | | 264605 |
| 577 | 66727102 (1153, 1154) | Novel Protein sim. GBank gij5042274 [emb CAB44528.1] - (AL078618) nuoD, NADH dehydrogenase subunit [Streptomyces coelicolor] | Contains protein domain (PF00346) - Respiratory-chain NADH dehydrogenase, 49 Kd subunit | dehydrogenase | 35696052, 264636 |
| 578 | 11804477 (1155, 1156) | | | | |
| 579 | 11794723 (1157, 1158) | Novel Protein sim. GBank gij1723081 [sp Q11046] Y089_MYCTU - HYPOTHETICAL ABC TRANSPORTER ATP-BINDING PROTEIN CY50.09 | | transport | 264638 264682, 264556 |

| | | | | | | |
|-----|-----------------------|--|---|---------------|--------------|--|
| 580 | 80059417 (1159, 1160) | | | | | 22278999, 35696052, 264555, 264556, 264558 |
| 581 | 79230833 (1161, 1162) | | | | UNCLASSIFIED | 265008, 264564 |
| 582 | 80049617 (1163, 1164) | Novel Protein sim. GBank gij3243131 (AF045777) - liliin [Drosophila melanogaster] | Contains protein domain (PF00047) - Immunoglobulin domain | | struct | 265021, 264555, 264557 |
| 583 | 79321392 (1165, 1166) | Novel Protein sim. GBank gij2501162ispj7726[YAJR_ECOLI - HYPOTHETICAL 49.0 KD PROTEIN IN ABPA-CYOE INTERGENIC REGION] | | transport | | 264554 |
| 584 | 78845024 (1167, 1168) | | | | | |
| 585 | 78581454 (1169, 1170) | Novel Protein sim. GBank gij3882221dbj BAA34470.1 - (AB018293) KIAA0750 protein [Homo sapiens] | | UNCLASSIFIED | UNCLASSIFIED | 264488, 264908, 264766, 264687, 35696423 |
| 586 | 38277486 (1171, 1172) | | | | | 265018, 264684, 21906769 |
| 587 | 80497359 (1173, 1174) | Novel Protein sim. GBank gij4467250lemb CAB37575 - (AL035569) probable Glu-RNA Gln amidotransferase subunit [Streptomyces coelicolor] | | UNCLASSIFIED | UNCLASSIFIED | 264908, 265007 |
| 588 | 79557239 (1175, 1176) | Novel Protein sim. GBank gij5689519dbj BAA3043.1 - (AB029014) KIAA1091 protein [Homo sapiens] | | hydrolase | | 264600, 264602, 264605, 264769, 264690, 264557 |
| 589 | 79805828 (1177, 1178) | | | UNCLASSIFIED | | 265020, 264692 |
| 590 | 79815629 (1179, 1180) | | | UNCLASSIFIED | | 22278996, 264907, 264909, 264510, 265009, 265010, 264687, 264769, 35695917, 18108376, 264634, 264636, 264638 |
| 591 | 10313540 (1181, 1182) | Novel Protein sim. GBank gij2143293lemb CAB09390 - (Z95972) rpoB [Mycobacterium tuberculosis] | | UNCLASSIFIED | mapolymerase | 264906, 264909 |
| 592 | 13889767 (1183, 1184) | | | | | 264691 |
| 593 | 82348699 (1185, 1186) | Novel Protein sim. GBank gij4511983lgb AAD21543.1 - (AF088896) electrotransfer ubiquinone oxidoreductase [Zymomonas mobilis] | | MHC | | 263972 |
| 594 | 20212392 (1187, 1188) | Novel Protein sim. GBank gij1272368 (U51896) - LigE [Vibrio parahaemolyticus] | | dehydrogenase | | 264511, 264762, 264769, 264486 |
| 595 | 10064064 (1189, 1190) | Novel Protein sim. GBank gij131490ispj20966 PTFB_ECOLI - PTS SYSTEM, FRUCTOSE-SPECIFIC IIBC COMPONENT (EIIBC-FRU) (FRUCTOSE-PERMEASE IIBC COMPONENT) (PHOSPHOTRANSFERASE ENZYME II, BC COMPONENT) (EIIF-FRU) | | UNCLASSIFIED | | 264605 |
| 596 | 13085170 (1191, 1192) | | | | | 264769 |
| 597 | 80259003 (1193, 1194) | | | UNCLASSIFIED | | |
| 598 | 94140216 (1195, 1196) | | | UNCLASSIFIED | | 264636 |
| 599 | 20385137 (1197, 1198) | Novel Protein sim. GBank gij125329ispj04951KDSB_ECOLI - 3-DEOXY-MANNO-OCTULONATE CYTIDYLTRANSFERASE (CMP-KDO SYNTHETASE) (CMP-2-KETO-3-DEOXYOCTULONIC ACID SYNTHETASE) (CKS) | | UNCLASSIFIED | | 264592 |
| 600 | 10357663 (1199, 1200) | | | UNCLASSIFIED | | 264758, 55810764, 264555, 264556, 264637, 83373044 |
| 601 | 79610404 (1201, 1202) | Novel Protein sim. GBank gij2127414iprj S60064 - hypothetical protein 2 - Corynebacterium glutamicum | | UNCLASSIFIED | | 264603 |

| | | | | | |
|-----|-----------------------|--|--|--------------|--|
| 602 | 79250602 (1203, 1204) | Novel Protein sim. GBank gij3522961 gb AAC34243.1 - (AC004411) putative pto kinase [Arabidopsis thaliana] | Contains protein domain (PF00069) - Eukaryotic protein kinase domain | kinase | 265007 |
| 603 | 11466067 (1205, 1206) | | | UNCLASSIFIED | 264595 |
| 604 | 81675420 (1207, 1208) | | | | 264758 |
| 605 | 20436657 (1209, 1210) | Novel Protein sim. GBank gij1175322 sp P44917 Y883_HAEIN - HYPOTHETICAL PROTEIN H10883 | | UNCLASSIFIED | 264605 |
| 606 | 80334582 (1211, 1212) | Novel Protein sim. GBank gij5020264 gb AAD38043.1 AF15136 - (AF151363) Cdc42 GTPase-activating protein [Mus musculus] | | UNCLASSIFIED | 264764 |
| 607 | 95361506 (1213, 1214) | Novel Protein sim. GBank gij188864 (M74027) - mucin [Homo sapiens] | | UNCLASSIFIED | 264508, 264906, 85658542, 264682, 264687, 264689, 264534, 18108376, 35698423, 264636, 264555, 264638 |
| 608 | 11810888 (1215, 1216) | | | UNCLASSIFIED | 264682 |
| 609 | 80064775 (1217, 1218) | Novel Protein sim. GBank gij2496701 sp P55552 Y4LL_RHISN - HYPOTHETICAL 91.8 KD PROTEIN Y4LL | Contains protein domain (PF00989) - PAS domain | UNCLASSIFIED | 264605 |
| 610 | 79629413 (1219, 1220) | | | | 264692 |
| 611 | 87586205 (1221, 1222) | | | | 264508, 264905, 264907, 264908, 264909, 264511, 264910, 264758, 264604, 264684, 264766, 264689, 264692, 264628, 264635, 264636, 264637, 264558 |
| 612 | 95287851 (1223, 1224) | Novel Protein sim. GBank gij1877366 emb CAB07118 - (Z92772) recD [Mycobacterium tuberculosis] | Contains protein domain (PF01443) - Viral (Superfamily 1) RNA helicase | nuclease | 264600, 264601, 264604, 264769, 264558, 264565 |
| 613 | 7523475 (1225, 1226) | | | UNCLASSIFIED | 264369 |
| 614 | 79969348 (1227, 1228) | Novel Protein sim. GBank gij5114231 gb AAD40238.1 AF13670 - (AF136709) histidine kinase YycG [Staphylococcus aureus] | | kinase | 18108372, 264563 |
| 615 | 39586996 (1228, 1230) | Novel Protein sim. GBank gij1339950 dbj BAA12741 - (D85230) large subunit of NADH-dependent glutamate synthase [Plectonema boryanum] | | synthase | 264600, 264602, 264629 |
| 616 | 20465331 (1231, 1232) | Novel Protein sim. GBank gij544367 sp P35673 GALE_ERWAM - UDP-GLUCOSE 4-EPIMERASE (GALACTOWALDENASE) (UDP-GALACTOSE 4-EPIMERASE) | | isomerase | 264605 |
| 617 | 81227222 (1233, 1234) | Novel Protein sim. GBank gij2498097 sp Q60769 TNF3_MOUSE - TUMOR NECROSIS FACTOR, ALPHA-INDUCED PROTEIN 3 (PUTATIVE DNA BINDING PROTEIN A20) (ZINC FINGER PROTEIN A20) | Contains protein domain (PF00641) - Inf Zn-finger in Ran binding protein and others. | Inf | 52645156, 21906765, 35696423, 21906768, 21906769, 22278994, 35696286, 22278996, 265020, 265021, 265007, 265008, 264636, 52644150, 33657023, 264692, 264693, 29331822, 29331824, 55812038, 83373044, 56182181, 60424269, 66714117, 29331825, 33657109, 29331826, 33657182, 29331827, 35696052, 29331828, 27486262, 33657349, 56526486, 265018, 265019, 22279002, 264482, 264448, 29331830, 66712502, 264909 |

| | | | | | |
|-----|-----------------------|---|--|--------------|--|
| 618 | 20632843 (1235, 1236) | Novel Protein sim. GBank gi 5459388 emb CAB50746.1 - (AL096639) putative aminotransferase [Streptomyces coelicolor] | | isomerase | 264603 |
| 619 | 91227224 (1237, 1238) | | | | 56994075, 29331826, 33656970, 265008, 33657402, 33109954, 87168559, 264448, 18108374, 83373044 |
| 620 | 81183143 (1239, 1240) | Novel Protein sim. GBank gi 484339 sp Q05922 DUS2_MOUSE - DUAL SPECIFICITY PROTEIN PHOSPHATASE 2 (DUAL SPECIFICITY PROTEIN PHOSPHATASE PAC-1) | | phosphatase | 29148498, 264758, 264369, 29148627 |
| 621 | 80239251 (1241, 1242) | | | UNCLASSIFIED | 264556, 264558, 264639 |
| 622 | 20456427 (1243, 1244) | [Z99110] yldF [Bacillus subtilis] | | UNCLASSIFIED | 264605 |
| 623 | 10131798 (1245, 1246) | Novel Protein sim. GBank gi 1857710 gb AAB48482 - [U87224] contactin associated protein [Rattus norvegicus] | Contains protein domain (PF000054) - Laminin G domain | laminin | 264906 |
| 624 | 19534127 (1247, 1248) | Novel Protein sim. GBank gi 1705703 sp P52225 CCMF_PSEFL - CYTOCHROME C-TYPE BIOGENESIS PROTEIN CYCK | | cytochrome | 264596 |
| 625 | 13084619 (1249, 1250) | Novel Protein sim. GBank gi 2894252 emb CAA17114.1 - (AL021841) hypothetical protein Rv3342 [Mycobacterium tuberculosis] | | UNCLASSIFIED | 264688 |
| 626 | 88062603 (1251, 1252) | Novel Protein sim. GBank gi 416592 sp P32323 AGA1_YEAST - A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR | | UNCLASSIFIED | 29331822, 264905, 264908, 33657023, 33657109, 264558 |
| 627 | 80255457 (1253, 1254) | Novel Protein sim. GBank gi 3098418 (AF040944) - P140 [Mus musculus] | | UNCLASSIFIED | 18108394, 264112, 264593, 265022, 264635 |
| 628 | 80077096 (1255, 1256) | Novel Protein sim. GBank gi 1711543 sp P50526 SSP1_SCHPO - SERINE/THREONINE-PROTEIN KINASE SSP1 | Contains protein domain (PF00069) - Eukaryotic protein kinase domain | kinase | 264600 |
| 629 | 79851602 (1257, 1258) | Novel Protein sim. GBank gi 1143204 (U34305) - ORF2; Method: conceptual translation supplied by author. [Shigella sonnei] | | isomerase | 264906, 264907 |
| 630 | 39565156 (1259, 1260) | Novel Protein sim. GBank gi 3236368 (AF064748) - S3-12 [Mus musculus] | | UNCLASSIFIED | 264490 |
| 631 | 20598718 (1261, 1262) | Novel Protein sim. GBank gi 140687 sp P11686 YGG8_ECOLI - HYPOTHETICAL 30.9 KD PROTEIN IN SBM-FBA INTERGENIC REGION (ORF 4) (F286) | | | 263978 |
| 632 | 27843890 (1263, 1264) | | | UNCLASSIFIED | 264906, 264600, 264605, 264769, 264689, 264486 |
| 633 | 80477772 (1265, 1266) | | | UNCLASSIFIED | 264769 |
| 634 | 17938806 (1267, 1268) | | | | 265019 |
| 635 | 79574508 (1269, 1270) | | | UNCLASSIFIED | 264689 |
| 636 | 79910981 (1271, 1272) | | | UNCLASSIFIED | 264596, 264762, 264693 |

| | | | | | |
|-----|-----------------------|---|--|--------------|--|
| 637 | 82455796 (1273, 1274) | Novel Protein sim. GBank gll2326739[emb]CAB10953] - (Z98268) recN [Mycobacterium tuberculosis] | | nuclease | 264906, 264907, 264510, 264511, 264601, 264602, 264603, 264604, 264605, 18108351, 264762, 264766, 264687, 264769, 264689, 35695917, 264693, 264634, 264638, 264639, 264559, 18108385, 264636 |
| 638 | 14997457 (1275, 1276) | Novel Protein sim. GBank gll4678662[emb]CAB41074.1] - (AL049645) putative large ATP-binding protein [Streptomyces coelicolor] | | | |
| 639 | 80204210 (1277, 1278) | Novel Protein sim. GBank gll4589628[dbj]BAA76836.1] - (AB023209) KIAA0992 protein [Homo sapiens] | | si/ruct | 264112, 263974 |
| 640 | 17929579 (1279, 1280) | Novel Protein sim. GBank gll1432083 (U60981) - homolog to Skp1p, an evolutionarily conserved kinetochore protein in budding yeast [Arabidopsis thaliana] | Contains protein domain (PF01466) - rnapolymerase Skp1 family | | 265009, 265010 |
| 641 | 79636398 (1281, 1282) | | | UNCLASSIFIED | 264693 |
| 642 | 19898737 (1283, 1284) | | | UNCLASSIFIED | 264565 |
| 643 | 81516220 (1285, 1286) | | | UNCLASSIFIED | 264906, 264908, 264758, 264288, 264632, 264635, 264639, 264564 |
| 644 | 11751367 (1287, 1288) | | | UNCLASSIFIED | 264684 |
| 645 | 95010907 (1289, 1290) | | | UNCLASSIFIED | 264906, 264762, 264693, 264639, 264559 |
| 646 | 80069083 (1291, 1292) | | | | 264595, 264566 |
| 647 | 80257085 (1293, 1294) | Novel Protein sim. GBank gll4507813[ref]NP_003738.1]pTNKS - TANKYRASE | Contains protein domain (PF00023) - transcript factor Ank repeat | | 264909, 264591 |
| 648 | 80077428 (1295, 1296) | Novel Protein sim. GBank gll1044963[dbj]169648 - protamine [Monodonta turbinata, gonads, Peptide, 106 aa] | | UNCLASSIFIED | 264600 |
| 649 | 80247447 (1297, 1298) | | | UNCLASSIFIED | 263978 |
| 650 | 11798316 (1299, 1300) | | | UNCLASSIFIED | 264686 |
| 651 | 11776932 (1301, 1302) | Novel Protein sim. GBank gll1346916[sp]P12283[PURA_ECOLI - ADENYLOSUCCINATE SYNTHETASE (IMP--ASPARTATE LIGASE)] | | | 264602, 264638 |
| 652 | 85516704 (1303, 1304) | | | UNCLASSIFIED | 264906, 264907, 264909, 263978, 264637 |
| 653 | 82124947 (1305, 1306) | Novel Protein sim. GBank gll1722977[sp]Q10638[Y03C_MYCTU - HYPOTHETICAL 82.8 KD PROTEIN CY130.12C] | | UNCLASSIFIED | 22278996, 264510, 264511, 264512, 264593, 21906754, 264603, 264760, 18108376, 264556 |
| 654 | 95010589 (1307, 1308) | | | UNCLASSIFIED | 264906, 264595, 264632 |
| 655 | 79320692 (1309, 1310) | Novel Protein sim. GBank gll130327[sp]P26847[PLSC_ECOLI - 1-ACYL-SN-GLYCEROL-3-PHOSPHATE ACYLTRANSFERASE (1-AGP ACYLTRANSFERASE) (1-AGPAT) (LYSOPHOSPHATIDIC ACID ACYLTRANSFERASE) (LPAAT)] | Contains protein domain (PF01553) - transferase Acyltransferase | | 264592 |
| 656 | 80416739 (1311, 1312) | | | UNCLASSIFIED | 264602, 264605, 264766, 264691 |
| 657 | 20611010 (1313, 1314) | | | UNCLASSIFIED | 264557, 264558 |

| | | | | | |
|-----|-----------------------|--|--|----------------------|--|
| 658 | 87761815 (1315, 1316) | Novel Protein sim. GBank gij5689493[dbj BAA83030.1] - (AB029001) KIAA1078 protein [Homo sapiens] | | UNCLASSIFIED | 22278996, 60432049, 29331822, 29331824, 29331828, 265007, 265009, 33657402, 33657084, 265017, 264448, 21908765, 21906766, 263967, 20281149, 18108370, 18108374, 264482 |
| 659 | 87718663 (1317, 1318) | Novel Protein sim. GBank gij2137872[pir j46724 - zinc finger protein PZF - mouse | Contains protein domain (PF00096) - Zinc finger, C2H2 type | transcription factor | 22278999, 60432049, 66714117, 29331827, 265007, 264766, 56181562, 18108359, 18108365, 18108370, 18108381 |
| 660 | 81897922 (1319, 1320) | | | UNCLASSIFIED | 264757 |
| 661 | 80026023 (1321, 1322) | Novel Protein sim. GBank gij134180[sp P15401 SACY_BACSU - LEVANSUCRASE AND SUCRASE SYNTHESIS OPERON ANTITERMINATOR | Contains protein domain (PF00874) - Transcriptional antiterminator bglG family | UNCLASSIFIED | 264510, 265009, 264600, 264602, 264603, 264604, 264605, 32833986, 18108376, 264636, 18108387, 22279000 |
| 662 | 20463731 (1323, 1324) | Novel Protein sim. GBank gij454229[gb AAD2450.1 AF11618 - (AF116183) SecA homolog [Actinobacillus actinomycetemcomitans] | | UNCLASSIFIED | 264605 |
| 663 | 20628080 (1325, 1326) | Novel Protein sim. GBank gij5689250[dbj BAA82881.1] - (AB024335) similar to orf5 [Comamonas testosteroni] | | dehydrogenase | 264605 |
| 664 | 80508512 (1327, 1328) | Novel Protein sim. GBank gij1652848[dbj BAA17766] - (D90909) DNA photolyase [Synecocystis sp.] | | UNCLASSIFIED | 264769 |
| 665 | 80079053 (1329, 1330) | Novel Protein sim. GBank gij116841[sp P21640 COBJ_PSEDE - PRECORRIN-3B C17 METHYLTRANSFERASE (PRECORRIN-3 METHYLTRANSFERASE) (PRECORRIN-3 METHYLTRANSFERASE) | | isomerase | 264600 |
| 666 | 78603142 (1331, 1332) | Novel Protein sim. GBank gij3261829[emb CAB10927] - (Z98260) hypothetical protein Rv1230c [Mycobacterium tuberculosis] | | glycoprotein | 264907, 265007 |
| 667 | 94631802 (1333, 1334) | Novel Protein sim. GBank gij5688851[dbj BAA82702.1] - (AB017436) Orf5 [Streptomyces coelicolor] | | UNCLASSIFIED | 264689, 264602, 264593 |
| 668 | 82051891 (1335, 1336) | Novel Protein sim. GBank gij3581853[emb CAA20809] - (AL031541) 50S ribosomal protein L20 [Streptomyces coelicolor] | Contains protein domain (PF00453) - Ribosomal protein L20 | ribosomal prot | 264905, 264906, 264908, 264600, 264601, 264603, 264605, 264760, 264689, 264636, 264638, 264639 |
| 669 | 12967154 (1337, 1338) | | | UNCLASSIFIED | 264637 |
| 670 | 80238549 (1339, 1340) | Novel Protein sim. GBank gij2582531 (AF026444) - 2- isopropylmalate synthase [Streptomyces coelicolor] | | synthase | 264905, 264906, 264908, 264601, 264762, 264766, 264689, 264638, 18108385, 264486 |
| 671 | 79601368 (1341, 1342) | | Contains protein domain (PF00023) - Ank repeat | UNCLASSIFIED | 264690, 264692, 264693, 264636, 18108387 |
| 672 | 79834371 (1343, 1344) | Novel Protein sim. GBank gij2114430 (U92703) - Olf-1/EBF-like-3 transcription factor [Mus musculus] | | transcription factor | 264910, 265017 |
| 673 | 82285798 (1345, 1346) | Novel Protein sim. GBank gij4589285[gb AAD26430.1 AF13515 - (AF135154) ferric alkaligin siderophore receptor [Bordetella pertussis] | | | 264759 |
| 674 | 78198259 (1347, 1348) | | | UNCLASSIFIED | 264629 |

| | | | | | |
|-----|-----------------------|--|--|-------------------|--|
| 675 | 87895970 (1349, 1350) | Novel Protein sim. GBank gi 4980755 gb AAD35347.1 AE00170 - (AE001708) D-alanine-D-alanine ligase [Thermotoga maritima] | Contains protein domain (PF01820) - D-alanine D-alanine ligase | UNCLASSIFIED | 264488, 22278999, 66714117, 264508, 264511, 265008, 60433438, 264601, 264602, 264603, 264604, 264605, 264762, 264687, 264769, 60431602, 18108374, 264636, 264638, 265010 |
| 676 | 78899607 (1351, 1352) | Novel Protein sim. GBank gi 1723566 sp Q10479 YDF7_SCHPO - PUTATIVE GLUCOSYLTRANSFERASE C17C9.07 | | ATPase-associated | 264591, 264632 |
| 677 | 21644312 (1353, 1354) | Novel Protein sim. GBank gi 87208 (U03976) - dynein heavy chain isoform 5C [Tipneustes gratilla] | | | |
| 678 | 84225200 (1355, 1356) | Novel Protein sim. GBank gi 1586274 prf 2203365A - laminin alpha5 [Mus musculus] | Contains protein domain (PF00053) - Laminin EGF-like (Domains III and V) | laminin | 264758, 264682, 264557 |
| 679 | 78868855 (1357, 1358) | Novel Protein sim. GBank gi 3928723 emb CAA22219 - (AL034355) putative ABC transporter [Streptomyces coelicolor] | | UNCLASSIFIED | 22278996, 264693 |
| 680 | 20726424 (1359, 1360) | | | | |
| 681 | 94322017 (1361, 1362) | Novel Protein sim. GBank gi 5174493 ref NP_006050.1 pLAMC - laminin, gamma 3 | Contains protein domain (PF00053) - Laminin EGF-like (Domains III and V) | laminin | 264600, 264602, 264102, 264907, 264908, 265006, 264693, 263972, 83373044, 264566 |
| 682 | 11392478 (1363, 1364) | | | | |
| 683 | 80083680 (1365, 1366) | Novel Protein sim. GBank gi 4758208 ref NP_004081.1 pDUSP - dual specificity phosphatase 3 (vaccinia virus phosphatase VH1-related) | Contains protein domain (PF00782) - Dual specificity phosphatase, catalytic domain | UNCLASSIFIED | 264595, 264634 |
| 684 | 20465367 (1367, 1368) | Novel Protein sim. GBank gi 5420387 emb CAB46679.1 - (AJ243459) proteophosphoglycan [Leishmania major] | | | 264605 |
| 685 | 80246735 (1369, 1370) | | | | |
| 686 | 79208608 (1371, 1372) | | | | 264909, 263967, 263981 |
| 687 | 80085629 (1373, 1374) | | | | 264631 |
| 688 | 79853412 (1375, 1376) | Novel Protein sim. GBank gi 2688962 (AF027768) - LspA [Serratia marcescens] | | peptidase | 264693, 264635, 264907, 264638 |
| 689 | 88064256 (1377, 1378) | Novel Protein sim. GBank gi 3046931 (AF049330) - PPAR gamma coactivator [Mus musculus] | Contains protein domain (PF00076) - RNA recognition motif (a.k.a. RRM, RBD, or RNP domain) | UNCLASSIFIED | 264906, 264907, 265007, 265009, 60433438, 21906754, 264760, 18108358, 21906766, 21906769, 265021, 18108361, 263974, 18108379, 264557, 18108385, 22279002 |
| 690 | 80389750 (1379, 1380) | Novel Protein sim. GBank gi 2488941 sp Q15428 SP62_HUMAN - SPLICEOSOME ASSOCIATED PROTEIN 62 (SAP 62) (SF3A66) | | UNCLASSIFIED | 264510, 264511, 264764, 264769 |
| 691 | 81854392 (1381, 1382) | | | | |
| 692 | 83608936 (1383, 1384) | Novel Protein sim. GBank gi 5420387 emb CAB46678.1 - (AJ243459) proteophosphoglycan [Leishmania major] | Contains protein domain (PF00097) - Zinc finger, C3HC4 type (RING finger) | UNCLASSIFIED | 264757, 55812038, 55811957, 265018, 55811150, 18108351, 264908, 60431528, 264594 |
| 693 | 79586116 (1385, 1386) | Novel Protein sim. GBank gi 854065 emb CAA56337 - (X83413) U88 [Human herpesvirus 6] | | UNCLASSIFIED | 264635 |
| 694 | 82455983 (1387, 1388) | Novel Protein sim. GBank gi 267327 sp Q01033 VG48_HSVSA - HYPOTHETICAL GENE 48 PROTEIN | | | 22278996, 264510, 264602, 264603, 264762, 264687, 264769, 264693 |

| | | | | | |
|-----|-----------------------|--|--|----------------|--|
| 695 | 94147849 (1389, 1390) | Novel Protein sim. GBank gij4468339[emb]CAB38059.1] - (AJ010901) MUC4 [Homo sapiens] | Contains protein domain (PF000094) - von Willebrand factor type D domain | UNCLASSIFIED | 56182575, 264509, 264905, 264907, 29331830, 264908, 264909, 264511, 265007, 264910, 264758, 264764, 264288, 65274791 |
| 696 | 79830882 (1391, 1392) | Novel Protein sim. GBank gij2649950 (AE001058) - glutamine ABC transporter, ATP-binding protein (glnQ) [Archaeoglobus fulgidus] | Contains protein domain (PF000005) - ABC transporter | transport | 264905, 264595 |
| 697 | 11767889 (1393, 1394) | Novel Protein sim. GBank gij1731343[sp]Q10694[YY25_MYCTU - HYPOTHETICAL 24.4 KD PROTEIN CY49.25] | Contains protein domain (PF01836) - Transposase | UNCLASSIFIED | 264682 |
| 698 | 66695862 (1395, 1396) | | | UNCLASSIFIED | 264688, 35695917 |
| 699 | 79582558 (1397, 1398) | | | UNCLASSIFIED | 264682 |
| 700 | 79839098 (1398, 1400) | | | UNCLASSIFIED | 264693 |
| 701 | 80230242 (1401, 1402) | Novel Protein sim. GBank gij1001236[dbj]BAA104771 - (D64003) hypothetical protein [Synchocystis sp.] | | UNCLASSIFIED | 264488, 264510, 264511, 264602, 264605, 264689 |
| 702 | 79814789 (1403, 1404) | Novel Protein sim. GBank gij2498935[sp]Q46338[SOXG_CORSP - SARCOSINE OXIDASE GAMMA SUBUNIT | | UNCLASSIFIED | 264909 |
| 703 | 20446820 (1405, 1406) | Novel Protein sim. GBank gij3150513 (AF067219) - contains similarity to the kelch/MIPP family [Caenorhabditis elegans] | oxidase | 264604 | |
| 704 | 94312224 (1407, 1408) | Novel Protein sim. GBank gij3150513 (AF067219) - contains similarity to the kelch/MIPP family [Caenorhabditis elegans] | Contains protein domain (PF01344) - Kelch motif | UNCLASSIFIED | 264288, 56181562, 33657109, 264629, 55811576 |
| 705 | 17932141 (1409, 1410) | Novel Protein sim. GBank gij421091[pir]J530730 - hypothetical protein o206 - Escherichia coli | | UNCLASSIFIED | 265006 |
| 706 | 20288062 (1411, 1412) | Novel Protein sim. GBank gij3024872[sp]Q55790[Y074_SYNY3 - HYPOTHETICAL 52.8 KD PROTEIN SLR0074 | | | 264600 |
| 707 | 20838065 (1413, 1414) | Novel Protein sim. GBank gij3420608[gb]AAC31907.1] - (AF075709) ABC transporter ATP-binding subunit [Pseudomonas putida] | transport | | 264603 |
| 708 | 20708282 (1415, 1416) | Novel Protein sim. GBank gij3649741[emb]CAA03985] - (AJ000281) mucin [Homo sapiens] | | | 264601, 264692 |
| 709 | 88001439 (1417, 1418) | Novel Protein sim. GBank gij3080425[emb]CAA18744.1] - (AL022604) putative protein [Arabidopsis thaliana] | struct | | 18108398, 264637, 264908, 264909 |
| 710 | 11356683 (1419, 1420) | Novel Protein sim. GBank gij1703266[sp]Q11056[AMIZ_MYCTU - PUTATIVE AMIDASE CY50.19C | | | 264369 |
| 711 | 17931418 (1421, 1422) | Novel Protein sim. GBank gij4758686[ref]NP_002323.1[pl]RP1 - low density lipoprotein related protein 1 (alpha-2-macroglobulin receptor) | | | 265019 |
| 712 | 80258164 (1423, 1424) | Novel Protein sim. GBank gij1703266[sp]Q11056[AMIZ_MYCTU - PUTATIVE AMIDASE CY50.19C | Contains protein domain (PF000058) - Low-density lipoprotein receptor repeat class B | apolipoprotein | 264591 |
| 713 | 79263126 (1425, 1426) | Novel Protein sim. GBank gij4502351[ref]NP_001692.1[pBAAT - bile acid Coenzyme A: amino acid N-acyltransferase; glycine N-choyltransferase | | hydrolase | 264906, 264907 |
| 714 | 27847651 (1427, 1428) | Novel Protein sim. GBank gij4502351[ref]NP_001692.1[pBAAT - bile acid Coenzyme A: amino acid N-acyltransferase; glycine N-choyltransferase | | | 264508, 264555 |

| | | | | | | |
|-----|-----------------------|--|---|---------------|--|--|
| 715 | 79639423 (1429, 1430) | Novel Protein sim. GBank gij1789035 (AE000352) - ord. hypothetical protein [Escherichia coli] | | UNCLASSIFIED | 264907 | |
| 716 | 79559072 (1431, 1432) | | | | 264692 | |
| 717 | 79491842 (1433, 1434) | Novel Protein sim. GBank gij2494074[sp]P55653[GABD_RHISN - PROBABLE SUCCINATE-SEMIALDEHYDE DEHYDROGENASE (NADP+)] (SSDH) | | dehydrogenase | 264636 | |
| 718 | 94319658 (1435, 1436) | Novel Protein sim. GBank gij3873679[emb]CAA94886] - (Z711178) similar to pro-collagen domains; cDNA EST EMBL:D27978 comes from this gene; cDNA EST EMBL:D27977 comes from this gene; cDNA EST EMBL:D34199 comes from this gene; cDNA EST EMBL:D64392 comes from this gene; cDNA EST EMBL:... | Contains protein domain (PF00093) - von Willebrand factor type C domain | kinase | 18108392, 22278994, 22278998, 265008, 265018, 264681, 18108354, 264684, 264685, 264686, 264687, 264689, 21906769, 18108361, 264691, 264692, 55810764, 264635, 18108381, 18108382, 83373044, 18108388 | |
| 719 | 17679564 (1437, 1438) | Novel Protein sim. GBank gij2104302[emb]CAB08631] - (Z95387) hypothetical protein Rv2611c [Mycobacterium tuberculosis] | | UNCLASSIFIED | 265011 | |
| 720 | 79841684 (1439, 1440) | Novel Protein sim. GBank gij123530[sp]P04929[HRPX_PLALO - HISTIDINE-RICH GLYCOPROTEIN PRECURSOR | | UNCLASSIFIED | 264908 | |
| 721 | 15020180 (1441, 1442) | Novel Protein sim. GBank gij498253 (U02372) - integrase [Vibrio cholerae] | | | 264629 | |
| 722 | 9862603 (1443, 1444) | Novel Protein sim. GBank gij2253054[emb]CAB10705] - (Z97559) hypothetical protein Rv2114 [Mycobacterium tuberculosis] | | UNCLASSIFIED | 264910 | |
| 723 | 19755599 (1445, 1446) | Novel Protein sim. GBank gij4063015 (AF083061) - protease PrtA [Pseudomonas fluorescens] | Contains protein domain (PF00353) - Hemolysin-type calcium-binding proteins | protease | 264691 | |
| 724 | 10126494 (1447, 1448) | | | | 264909 | |
| 725 | 79878679 (1449, 1450) | | | UNCLASSIFIED | 264905, 264907 | |
| 726 | 13086282 (1451, 1452) | | | UNCLASSIFIED | 264636 | |
| 727 | 13522872 (1453, 1454) | | | | 264634 | |
| 728 | 20268471 (1455, 1456) | Novel Protein sim. GBank gij2633910[emb]CAB13411] - (Z99112) similar to hypothetical proteins [Bacillus subtilis] | | | 264567 | |
| 729 | 11293753 (1457, 1458) | Novel Protein sim. GBank gij2494680[sp]Q45291[GALE_BRELA - UDP-GLUCOSE 4-EPIMERASE (GALACTOWALDENASE) (UDP- GALACTOSE 4-EPIMERASE) | | UNCLASSIFIED | 264490 | |
| 730 | 19900373 (1459, 1460) | Novel Protein sim. GBank gij1168396[sp]P46681[AIP2_YEAST - ACTIN INTERACTING PROTEIN 2. | | isomerase | 264564 | |
| 731 | 80058750 (1461, 1462) | Novel Protein sim. GBank gij1146192 (L47838) - putative [Bacillus subtilis] | | UNCLASSIFIED | 264605 | |
| 732 | 80258175 (1463, 1464) | Novel Protein sim. GBank gij1168396[sp]P46681[AIP2_YEAST - ACTIN INTERACTING PROTEIN 2. | | struct | 264591, 264594, 264595 | |
| 733 | 20446839 (1465, 1466) | Novel Protein sim. GBank gij3184080[emb]CAA19336] - (AL023781) hypothetical protein [Schizosaccharomyces pombe] | | UNCLASSIFIED | 264604 | |
| 734 | 20435987 (1467, 1468) | | | ubiquitin | 264604 | |

| | | | | | |
|-----|-----------------------|---|--|--------------|---|
| 735 | 11607959 (1469, 1470) | Novel Protein sim. GBank gi1401582 sp P27432 YICE_ECOLI - HYPOTHETICAL 48.9 KD PROTEIN IN GLTS-SELC INTERGENIC REGION | Contains protein domain (PF00528) - Binding-protein-dependent transport systems inner membrane component | transport | 264594 |
| 736 | 10879734 (1471, 1472) | Novel Protein sim. GBank gi1400831 sp P31135 POTH_ECOLI - PUTRESCINE TRANSPORT SYSTEM PERMEASE PROTEIN POTH | | | 264636 |
| 737 | 78945340 (1473, 1474) | | Contains protein domain (PF00615) - Regulator of G protein signaling domain | UNCLASSIFIED | 265020 |
| 738 | 17895353 (1475, 1476) | | | | 265008 |
| 739 | 79833670 (1477, 1478) | Novel Protein sim. GBank gi12506887 sp P33225 TORA_ECOLI - TRIMETHYLAMINE- N-OXIDE REDUCTASE PRECURSOR (TMAO REDUCTASE) (TRIMETHYLAMINE OXIDASE) | oxidase | | 264910 |
| 740 | 19881557 (1479, 1480) | | | | 264907, 264764, 264634, 264637 |
| 741 | 79827273 (1481, 1482) | Novel Protein sim. GBank gi13261828 emb CAB10925 - (Z98260) mtp [Mycobacterium tuberculosis] | Contains protein domain (PF01883) - Domain of unknown function | UNCLASSIFIED | 264689, 35696266, 264510, 264908, 18108362 |
| 742 | 82393785 (1483, 1484) | Novel Protein sim. GBank gi13877494 emb CAA88472.1 - (Z48583) ATP binding protein with similarity to the CDC48/PAS1/SEC18 family: cDNA EST EMBL:D65037 comes from this gene; cDNA EST EMBL:D88340 comes from this gene; cDNA EST EMBL:D65048 comes from this gene; cDNA EST EMBL:D6845... | | UNCLASSIFIED | 29331822, 264910, 264762 |
| 743 | 82300051 (1485, 1486) | Novel Protein sim. GBank gi1127420 sp P19888 MTBA_BACAR - MODIFICATION METHYLASE BANI (CYTOSINE-SPECIFIC METHYLTRANSFERASE BANI) (M.BANI) | Contains protein domain (PF00145) - C-5 cytosine-specific DNA methylase | UNCLASSIFIED | 264488, 264259, 264508, 264905, 264906, 264907, 264908, 264909, 264510, 264511, 264512, 265008, 265009, 264910, 264591, 264596, 264759, 265010, 265011, 18108351, 264763, 264288, 264766, 264768, 264693, 18108370, 264629, 18108372, 264630, 264631, 264634, 264558, 18108385, 264482, 264564, 264567 |
| 744 | 80230421 (1487, 1488) | | | | 18108397, 264511, 264690, 264628, 264638, 264692, 264639, 264766 |
| 745 | 9841963 (1489, 1490) | Novel Protein sim. GBank gi178921 pir J504846 - UDP-N- acetylmutamoylalanine-D-glutamate-2, 6-diaminopimelate--D- alanine-D-alanine ligase (EC 6.3.2.15) precursor - Escherichia coli | glycoprotein | | 264906 |
| 746 | 11073229 (1491, 1492) | Novel Protein sim. GBank gi13386354 (AF074705) - pyochelin synthetase [Pseudomonas aeruginosa] | synthase | | 264600 |
| 747 | 94322044 (1493, 1494) | Novel Protein sim. GBank gi12887411 dbj BAA24848 - (AB007878) KIAA0418 [Homo sapiens] | Contains protein domain (PF00018) - SH3 domain | oxidase | 66714117, 264905, 264509, 264906, 264907, 264908, 264909, 264511, 264910, 265011, 264681, 264288, 264766, 264687, 264768, 264769, 21908768, 35695917, 264691, 264693, 264628, 264634, 264635, 264639, 56182323, 83373044 |
| 748 | 11617923 (1495, 1496) | | | | 264690 |

| | | | | | | |
|-----|-----------------------|--|--|---|--------------|--|
| 749 | 20469119 (1497, 1498) | Novel Protein sim. GBank | | | UNCLASSIFIED | 264604 |
| 750 | 20296427 (1499, 1500) | gi 1169727 sp P44948 FPG_HAEIN - FORMAMIDOPYRIMIDINE-DNA GLYCOSYLASE (FAPY-DNA GLYCOSYLASE) | | | | 264600 |
| 751 | 21635169 (1501, 1502) | Novel Protein sim. GBank | | Contains protein domain (PF00069) - Eukaryotic protein kinase domain | kinase | 264605, 264559 |
| 752 | 82450366 (1503, 1504) | gi 5360088 gb AAD42851.1 AF15968 - (AF15968) serine/threonine kinase PKN3 (<i>Myxococcus xanthus</i>) | | Contains protein domain (PF00202) - Aminotransferases class-III pyridoxal phosphate | UNCLASSIFIED | 264508, 264907, 264510, 265011, 264762, 264689, 35695855, 264638, 18108387 |
| 753 | 80508718 (1505, 1506) | Novel Protein sim. GBank | | | UNCLASSIFIED | 264909, 264600, 264602, 264604, 264760, 264769, 264634 |
| 754 | 95083741 (1507, 1508) | gi 2851530 sp P32399 YHGE_BACSU - HYPOTHETICAL 84.1 KD PROTEIN IN HEMY-GLT INTERGENIC REGION (ORF8) | | | UNCLASSIFIED | 264508, 264906, 264907, 264908, 264909, 264759, 264602, 264764, 264769, 264628, 264629, 264630, 264632, 264634, 264635, 264637, 264638, 83373044, 18108385 |
| 755 | 80185449 (1509, 1510) | Novel Protein sim. GBank | | | UNCLASSIFIED | 264448, 264690 |
| 756 | 94631686 (1511, 1512) | Novel Protein sim. GBank gi 3449276 emb CAA20420 - (AL031317) putative dehydrogenase (<i>Streptomyces coelicolor</i>) | | | UNCLASSIFIED | 264769, 264689, 264638, 264639 |
| 757 | 78468533 (1513, 1514) | Novel Protein sim. GBank | | | UNCLASSIFIED | 264682, 264685 |
| 758 | 78963176 (1515, 1516) | gi J001206 putative glycogen debranching enzyme (<i>Streptomyces coelicolor</i>) | | | amylase | 265007, 18108387, 265007, 18108387 |
| 759 | 79475667 (1517, 1518) | Novel Protein sim. GBank gi 2911858 (AF047659) - No definition line found [<i>Caenorhabditis elegans</i>] | | | UNCLASSIFIED | 264684, 264686 |
| 760 | 87628888 (1519, 1520) | Novel Protein sim. GBank gi 3451312 emb CAA20449 - (AL031324) membrane alase [<i>Schizosaccharomyces pombe</i>] | | Contains protein domain (PF00122) - E1-E2 ATPase | transport | 29331822, 264908, 52644045, 56182435, 60170831, 21906754, 265017, 265019, 264681, 264687, 264688, 21906766, 21906768, 265020, 265021, 265022, 264635, 22279000 |
| 761 | 79877966 (1521, 1522) | Novel Protein sim. GBank | | | UNCLASSIFIED | 264766 |
| 762 | 80023583 (1523, 1524) | gi AB014572 KIAA0872 protein [Homo sapiens] | | | UNCLASSIFIED | 264907, 264593, 265020 |
| 763 | 20294813 (1525, 1526) | Novel Protein sim. GBank | | | | 264600 |
| 764 | 39515024 (1527, 1528) | gi 4981266 gb AAD35822.1 AE00174 - (AE001744) lipopolysaccharide core biosynthesis protein KdtB (<i>Thermotoga maritima</i>) | | | | 264603 |

| | | | | | |
|-----|-----------------------|--|---|--------------|--|
| 765 | 80025347 (1529, 1530) | Novel Protein sim. GBank gij3845093 (AE001371) - erythrocyte membrane protein PIEMP3 [Plasmodium falciparum] | | struct | 264905, 264906, 264594, 264686, 33657023 |
| 766 | 82417404 (1531, 1532) | Novel Protein sim. GBank gij541121 [pir]S40827 - hypothetical protein o300 - Escherichia coli | | UNCLASSIFIED | 264605, 264762, 18108374 |
| 767 | 10296742 (1533, 1534) | Novel Protein sim. GBank gij541121 [pir]S40827 - hypothetical protein o300 - Escherichia coli | | UNCLASSIFIED | 264907 |
| 768 | 79416080 (1535, 1536) | Novel Protein sim. GBank gij2982501 [emb]CAA061641 - (AJ004832) neuropathy target esterase [Homo sapiens] | | UNCLASSIFIED | 264592, 264595 |
| 769 | 80086554 (1537, 1538) | Novel Protein sim. GBank gij283437 [pir]S27850 - hypothetical protein - Trypanosoma cruzi (fragment) | | esterase | 55810764, 264559 |
| 770 | 80417647 (1539, 1540) | Novel Protein sim. GBank gij283437 [pir]S27850 - hypothetical protein - Trypanosoma cruzi (fragment) | | UNCLASSIFIED | 264905, 264907, 264828, 264908, 265010, 264766, 264628, 264629, 264634, 264636, 264555 |
| 771 | 95329509 (1541, 1542) | Novel Protein sim. GBank gij4769004 [gb]AAD29715.1 [AF140598] ring-box protein 1 [Homo sapiens] | Contains protein domain (PF000097) - Zinc finger, C3HC4 type (RING finger) | UNCLASSIFIED | 56182575, 35696286, 264259, 66714117, 264107, 66712502, 56182435, 264112, 55812038, 87168559, 264288, 21906766, 33657023, 65274620, 65274791, 18108381 |
| 772 | 78971362 (1543, 1544) | Novel Protein sim. GBank gij4769004 [gb]AAD29715.1 [AF140598] ring-box protein 1 [Homo sapiens] | | UNCLASSIFIED | 264910 |
| 773 | 78945363 (1545, 1546) | Novel Protein sim. GBank gij4769004 [gb]AAD29715.1 [AF140598] ring-box protein 1 [Homo sapiens] | | UNCLASSIFIED | 265020 |
| 774 | 79856129 (1547, 1548) | Novel Protein sim. GBank gij5531324 [emb]CAB51045.1 - (AJ009579) putative alkane 1-monooxygenase [Pseudomonas fluorescens] | | UNCLASSIFIED | 264909 |
| 775 | 20620141 (1549, 1550) | Novel Protein sim. GBank gij4769004 [gb]AAD29715.1 [AF140598] ring-box protein 1 [Homo sapiens] | Contains protein domain (PF01006) - Hepatitis C virus non-structural protein NS4a | UNCLASSIFIED | 264555 |
| 776 | 78942693 (1551, 1552) | Novel Protein sim. GBank gij4769004 [gb]AAD29715.1 [AF140598] ring-box protein 1 [Homo sapiens] | | | 265019 |
| 777 | 79960378 (1553, 1554) | Novel Protein sim. GBank gij4505461 [ref]NP_003624.1 [pNRPB - nuclear restricted protein, BTB domain-like (brain)] | Contains protein domain (PF01344) - Kelch motif | protease | 21906754, 265020, 60170615, 264691 |
| 778 | 20691310 (1555, 1556) | Novel Protein sim. GBank gij4505461 [ref]NP_003624.1 [pNRPB - nuclear restricted protein, BTB domain-like (brain)] | | UNCLASSIFIED | 264511 |
| 779 | 80054024 (1557, 1558) | Novel Protein sim. GBank gij4505461 [ref]NP_003624.1 [pNRPB - nuclear restricted protein, BTB domain-like (brain)] | | | 264603 |
| 780 | 95288987 (1559, 1560) | Novel Protein sim. GBank gij1144520 (U34956) - phosphoribosylformylglycinamide synthase [Mycobacterium tuberculosis] | | synthase | 264907, 264600, 264601, 264602, 264603, 264604, 264605, 264486 |
| 781 | 80250049 (1561, 1562) | Novel Protein sim. GBank gij1144520 (U34956) - phosphoribosylformylglycinamide synthase [Mycobacterium tuberculosis] | | | 264905, 264907, 265010, 264600, 264601, 18108362, 18108374, 264556 |
| 782 | 8758529 (1563, 1564) | Novel Protein sim. GBank gij4155447 (AE001517) - proline/betaine transporter [Helicobacter pylori J99] | | UNCLASSIFIED | 264605 |
| 783 | 16410791 (1565, 1566) | Novel Protein sim. GBank gij4155447 (AE001517) - proline/betaine transporter [Helicobacter pylori J99] | | | 265020 |
| 784 | 80051197 (1567, 1568) | Novel Protein sim. GBank gij4155447 (AE001517) - proline/betaine transporter [Helicobacter pylori J99] | | UNCLASSIFIED | 264635, 33657023, 29331828, 265017, 264565, 264566 |
| 785 | 56073541 (1569, 1570) | Novel Protein sim. GBank gij3451335 (AC005525) - F22162.1 [Homo sapiens] | Contains protein domain (PF00047) - Immunoglobulin domain | struct | 35696052, 264604 |
| 786 | 20438842 (1571, 1572) | Novel Protein sim. GBank gij136748 [p]P10905 [UGPA_ECOLI - SN-GLYCEROL-3-PHOSPHATE TRANSPORT SYSTEM PERMEASE PROTEIN UGPA] | | transport | 264603 |
| 787 | 80258364 (1573, 1574) | Novel Protein sim. GBank gij136748 [p]P10905 [UGPA_ECOLI - SN-GLYCEROL-3-PHOSPHATE TRANSPORT SYSTEM PERMEASE PROTEIN UGPA] | | UNCLASSIFIED | 264593 |

| | | | | | |
|-----|-----------------------|---|--|-------------------|--|
| 788 | 80507844 (1575, 1578) | Novel Protein sim. GBank gj2746079 (AF015310) - BTH1 [Brassica napus] | | synthase | 264909, 264602, 264603, 264769, 264638 |
| 789 | 17294715 (1577, 1578) | Novel Protein sim. GBank gj2351849 (U93357) - 40 kDa heat shock chaperone protein [Halobacterium salinarum] | | UNCLASSIFIED | 265007 |
| 790 | 86284408 (1579, 1580) | Novel Protein sim. GBank gj5706378 [dbj]BAA83099.1 - (AB026118) MALT1 [Homo sapiens] | Contains protein domain (PF000047) - Immunoglobulin domain | glycoprotein | 22278999, 29331824, 264828, 87168559, 265018, 21906765, 21906767, 21906768, 21906769, 265020, 264692, 22279000, 264563 |
| 791 | 94651627 (1581, 1582) | Novel Protein sim. GBank gj5689948 [embj]CAB51985.1 - (AL109863) putative isoleucyl-tRNA synthetase [Streptomyces coelicolor A3(2)] | | | 264601, 264605, 264636 |
| 792 | 80058786 (1583, 1584) | Novel Protein sim. GBank gj393194 (L02375) - S-antigen [Plasmodium falciparum] | | struct | 265021, 264631, 264635, 264556 |
| 793 | 79638730 (1585, 1586) | Novel Protein sim. GBank gj1345408 [dbj]BAA05046 - (D26046) AT motif-binding factor [Mus musculus] | Contains protein domain (PF000046) - Homeobox domain | homeobox | 264693 |
| 794 | 81839284 (1587, 1588) | Novel Protein sim. GBank gj105884 [pir]S24023 - dopamine receptor D4 - human (fragment) | | UNCLASSIFIED | 264603, 264604, 264910, 264762, 264906, 264639, 264909, 264757 |
| 795 | 80074988 (1589, 1590) | Novel Protein sim. GBank gj1877334 [embj]CAB07082 - (Z92771) b1rA [Mycobacterium tuberculosis] | | carboxylase | 264488, 35696052, 264905, 264907, 265010, 35698423, 264636 |
| 796 | 86669451 (1591, 1592) | | | | 60432229, 55811150, 264630, 264637, 264565 |
| 797 | 87771781 (1593, 1594) | Novel Protein sim. GBank gj2995447 [embj]CAA71519 - (Y10495) CDV-1R protein [Mus musculus] | | struct | 22278998, 264093, 264094, 66714117, 21906767, 21906769, 265020, 265022 |
| 798 | 79865209 (1595, 1596) | | | transcript factor | 264687, 264768, 264693 |
| 799 | 79557816 (1597, 1598) | Novel Protein sim. GBank gj4467250 [embj]CAB37575 - (AL035569) probable Glu-tRNA Gln amidotransferase subunit [Streptomyces coelicolor] | | hydrolase | 264909, 264910, 264636, 264638 |
| 800 | 79970189 (1599, 1600) | | | | |
| 801 | 80499399 (1601, 1602) | Novel Protein sim. GBank gj2791517 [embj]CAA16054 - (AL021246) hypothetical protein Rv2477c [Mycobacterium tuberculosis] | | UNCLASSIFIED | 264488 |
| 802 | 79834598 (1603, 1604) | Novel Protein sim. GBank gj4887211 [gb]AAD32237.1 [AF14744 - (AF147449) penicillin binding protein 1B [Pseudomonas aeruginosa] | | transport | 264508, 264511, 265006, 265009, 264769, 264567, 264486 |
| 803 | 20467520 (1605, 1606) | | | | |
| 804 | 10174239 (1607, 1608) | Novel Protein sim. GBank gj1176152 [sp]P44507 [YHAD_HAEIN - HYPOTHETICAL PROTEIN H10091] | | struct | 264605 |
| 805 | 79599993 (1609, 1610) | | | kinase | 264510 |
| 806 | 80484113 (1611, 1612) | Novel Protein sim. GBank gj2764612 [embj]CAA04683 - (AJ001330) ornithine transcarbamoylase [Lactobacillus sakei] | Contains protein domain (PF00185) - Aspartate/ornithine carbamoyltransferase | transferase | 264508, 264769 |
| 807 | 80381812 (1613, 1614) | Novel Protein sim. GBank gj2833311 [sp]Q21828 [YNF_D_CAEEL - HYPOTHETICAL 18.9 KD PROTEIN R07E5.13 IN CHROMOSOME III] | | | 264764 |

| | | | | | |
|-----|-----------------------|---|--|--------------|--|
| 808 | 35106817 (1615, 1616) | Novel Protein sim. GBank gi 3913092 sp Q46170 ARCD_CLOPE - ARGININE/ORNITHINE ANTIporter | | transport | 264909, 264602, 21906764, 18108374 |
| 809 | 81454254 (1617, 1618) | Novel Protein sim. GBank gi 3913016 sp P74309 ALF1_SYN3 - FRUCTOSE- BISPHOSPHATE ALDOLASE CLASS I (FBP ALDOLASE) | Contains protein domain (PF00274) - Fructose-bisphosphate aldolase class-I | UNCLASSIFIED | 264508, 264906, 264909, 265007, 264910, 264758, 264600, 264602, 264603, 264605, 264687, 264769, 264689, 264636, 264486 |
| 810 | 80192761 (1619, 1620) | Novel Protein sim. GBank gi 401472 sp P30863 YAFB_ECOLI - HYPOTHETICAL OXIDOREDUCTASE IN ASPU-MLTD INTERGENIC REGION | Contains protein domain (PF00248) - Aldoketo reductase family | reductase | 264369 |
| 811 | 80079280 (1621, 1622) | | | UNCLASSIFIED | 264558 |
| 812 | 10297654 (1623, 1624) | | | UNCLASSIFIED | 264692 |
| 813 | 79612280 (1625, 1626) | | | UNCLASSIFIED | 264906 |
| 814 | 80473427 (1627, 1628) | Novel Protein sim. GBank gi 146168 (J01617) - glutaminyl- tRNA synthetase [Escherichia coli] | | synthase | 264905, 264602, 264605, 264682, 264687, 264769, 264636 |
| 815 | 95419513 (1629, 1630) | Novel Protein sim. GBank gi 4589652 dbj BAA76848.1 - (AB023221) KIAA1004 protein [Homo sapiens] | | UNCLASSIFIED | 264488, 22278998, 22278999, 29331822, 29331824, 29331825, 29331827, 29331828, 29146499, 264905, 264908, 265007, 33657402, 60433356, 60433438, 264758, 265011, 265017, 265018, 265019, 264369, 264288, 264685, 21906765, 21906767, 265020, 265021, 264692, 65274620, 33657109, 264629, 18108376, 264635, 264638, 60170394, 56182323, 264564 |
| 816 | 19881910 (1631, 1632) | | | | 264600 |
| 817 | 95293316 (1633, 1634) | Novel Protein sim. GBank gi 1781144 emb CAB06254 - (Z83866) hypothetical protein Rv3069 [Mycobacterium tuberculosis] | | UNCLASSIFIED | 264595 |
| 818 | 90938190 (1635, 1636) | Novel Protein sim. GBank gi 1477468 (U35244) - vacuolar protein sorting homolog r-vps33a [Rattus norvegicus] | | | 66274572, 22278999, 60424269, 35896052, 55812038, 21906768, 55811957, 35895917, 33657023, 18108370, 18108374, 55810764, 35896423, 55811576, 264636 |
| 819 | 80254977 (1637, 1638) | Novel Protein sim. GBank gi 1001352 dbj BAA10839 - (D64006) ABC transporter [Synechocystis sp.] | | transport | 264565 |
| 820 | 80059688 (1639, 1640) | Novel Protein sim. GBank gi 586814 sp P37484 YYBT_BACSU - HYPOTHETICAL 74.3 KD PROTEIN IN RPLI-COTF INTERGENIC REGION | | UNCLASSIFIED | 264600, 264602, 264604 |
| 821 | 78762590 (1641, 1642) | | | | |
| 822 | 80215310 (1643, 1644) | | | UNCLASSIFIED | 264910 |
| 823 | 94892299 (1645, 1646) | Novel Protein sim. GBank gi 3878400 emb CAA95828 - (Z71264) predicted using GeneFinder; Weak similarity to Mouse T-complex-associated-testes-expressed-1 protein (PIR Acc. No. A45841); cDNA EST EMBL:D32742 comes from this gene; cDNA EST EMBL:D33617 comes from this gene; cDNA EST... | | UNCLASSIFIED | 264510, 264594, 264637 |
| 824 | 80411171 (1647, 1648) | Novel Protein sim. GBank gi 1370076 emb CAA66887 - (X98235) type I [Drosophila melanogaster] | Contains protein domain (PF01429) - Methyl-CpG binding domain | struct | 264509, 264687, 264691 |

| | | | | | | |
|-----|-----------------------|--|--|--------------|--|--|
| 825 | 20638600 (1649, 1650) | Novel Protein sim. GBank gi 3025132 sp P77391 YEAG_ECOLI - HYPOTHETICAL 74.5 KD PROTEIN IN GAPA-RND INTERGENIC REGION | | UNCLASSIFIED | 264592 | |
| 826 | 11075047 (1651, 1652) | Novel Protein sim. GBank gi 3242281 emb CAA16669 - (AL021646) hypothetical protein Rv3202c [Mycobacterium tuberculosis] | | | 264605 | |
| 827 | 80054207 (1653, 1654) | Novel Protein sim. GBank gi 3417424 emb CAA20312 - (AL031261) putative transport protein [Schizosaccharomyces pombe] | | | 264603 | |
| 828 | 95106322 (1655, 1656) | Novel Protein sim. GBank gi 4336692 gb AAD17897 - (AF101361) Abnormal X segregation [Drosophila melanogaster] | | UNCLASSIFIED | 52645080, 264508, 264905, 264509, 264906, 264907, 264908, 264909, 264512, 264910, 264591, 264758, 264600, 264766, 264768, 21906768, 35695917, 264691, 264628, 264630, 264631, 264632, 264634, 264635, 264636, 264637, 264558, 264639, 83373044, 18108385, 264583, 264566, 264486 | |
| 829 | 81742215 (1657, 1658) | | | UNCLASSIFIED | 264758, 264634 | |
| 830 | 20396091 (1659, 1660) | Novel Protein sim. GBank gi 3820539 (AF080002) - UDP-N- acetylmutamyl tripeptide synthetase MurC [Heliobacillus mobilis] | | UNCLASSIFIED | 264603 | |
| 831 | 87112435 (1661, 1662) | | | UNCLASSIFIED | 66714117, 264910, 264639 | |
| 832 | 19536322 (1663, 1664) | Novel Protein sim. GBank gi 1870004 emb CAB06855 - (Z92539) hypothetical protein Rv1024 [Mycobacterium tuberculosis] | | UNCLASSIFIED | 264906 | |
| 833 | 20726654 (1665, 1666) | Novel Protein sim. GBank gi 2500056 sp Q46267 PFLA_CLOPA - PYRUVATE FORMATE-LYASE ACTIVATING ENZYME | | UNCLASSIFIED | 264602 | |
| 834 | 21428762 (1667, 1668) | Novel Protein sim. GBank gi 2497531 sp Q46078 KPYK_CORGL - PYRUVATE KINASE (PK) | Contains protein domain (PF00224) - kinase Pyruvate kinase | | 264600, 264602, 264769, 264689, 264636 | |
| 835 | 94140482 (1669, 1670) | | | | 264768, 263994, 21906767, 264810, 264632, 264635, 264259, 264639, 264693, 83373044, 264758, 35696052, 22279002, 264508, 264905, 264906, 264448, 263972, 264908, 264909 | |
| 836 | 66126552 (1671, 1672) | Novel Protein sim. GBank gi 699315 (U15184) - phosphate transport protein PSTC [Mycobacterium leprae] | | transport | 35695917, 264557 | |
| 837 | 79450450 (1673, 1674) | | | UNCLASSIFIED | 264595 | |
| 838 | 79184203 (1675, 1676) | Novel Protein sim. GBank gi 728867 sp P40602 APG_ARATH - ANTER-SPECIFIC PROLINE-RICH PROTEIN APG PRECURSOR | | UNCLASSIFIED | 264687 | |
| 839 | 79641125 (1677, 1678) | Novel Protein sim. GBank gi 2496533 sp Q50598 Y0D8_MYCTU - HYPOTHETICAL 69.9 KD PROTEIN CY1A11.08 | | UNCLASSIFIED | 264906 | |
| 840 | 80059851 (1679, 1680) | Novel Protein sim. GBank gi 4557753 ref NP_000372.1 pMID1 - midline 1 protein finger) | Contains protein domain (PF000097) - interleukinrecept Zinc finger, C3HC4 type (RING finger) | | 264762, 264556 | |

| | | | | | |
|-----|-----------------------|---|--|------------------|---|
| 841 | 80376318 (1681, 1682) | Novel Protein sim. GBank gil139805 sp P08045 XFIN_XENLA - XFIN PROTEIN | Contains protein domain (PF000096) - Zinc finger, C2H2 type | transcriptfactor | 264764 |
| 842 | 80078724 (1683, 1684) | Novel Protein sim. GBank gil211432 dbj BAA20037 - (D88733) membrane glycoprotein [Equine herpesvirus 1] | Contains protein domain (PF000569) - Zinc finger present in dystrophin, CBP/p300 | UNCLASSIFIED | 264905, 264908, 265008, 265009, 18108374, 56182323, 264558 |
| 843 | 87002847 (1685, 1686) | Novel Protein sim. GBank gil3882325 dbj BAA34522.1 - (AB018345) KIAA0802 protein [Homo sapiens] | Contains protein domain (PF00170) - bZIP transcription factor | struct | 264091, 29331825, 264906, 264768, 264563 |
| 844 | 17941439 (1687, 1688) | Novel Protein sim. GBank gil222472 dbj BAA20844 - (AB002388) KIAA0390 [Homo sapiens] | Contains protein domain (PF00096) - Zinc finger, C2H2 type | transcriptfactor | 265011 |
| 845 | 18346844 (1689, 1690) | | | | 264629 |
| 846 | 79863441 (1691, 1692) | Novel Protein sim. GBank gil625679 pir A36929 - virulence regulatory protein VsrB - Pseudomonas solanacearum | | kinase | 264907 |
| 847 | 78695348 (1693, 1694) | | | | 264909 |
| 848 | 78489365 (1695, 1696) | | | UNCLASSIFIED | 265020 |
| 849 | 79756367 (1697, 1698) | | | UNCLASSIFIED | 264566 |
| 850 | 79817849 (1699, 1700) | Novel Protein sim. GBank gil3183245 sp P78061 YCK_ECOLI - PUTATIVE GLUTAMINE SYNTHETASE (GLUTAMATE-AMMONIA LIGASE) | Contains protein domain (PF00120) - Glutamine synthetase | UNCLASSIFIED | 264909 |
| 851 | 95320333 (1701, 1702) | Novel Protein sim. GBank gil5454130 ref NP_006280.1 pTLN - talin | Contains protein domain (PF01608) - ILWEE domain | | 264488, 52644507, 264489, 18108398, 65274572, 56182575, 22278994, 22278995, 22278996, 35696286, 22278997, 22278998, 22278999, 20281171, 264490, 264259, 52845080, 29331822, 29331824, 66714117, 29331825, 60432289, 29331826, 29331827, 35696052, 29331828, 29146498, 29146499, 264107, 264905, 264906, 264907, 264908, 52644045, 56182435, 265006, 265007, 265008, 265009, 264910, 60432229, 60431735, 60433356, 33657402, 60433438, 264595, 264758, 264759, 21906754, 33109954, 52644296, 265010, 265011, 87168559, 265017, 265018, 265019, 264760, 264761, 264762, 264681, 18108351, 264763, 264448, 264682, 264764, 264683, 18108354, 264288, 264369, 264685, 264766, 264687, 264768, 264769, 21906765, 21906766, 21906767, 21906768, 29148627, 21906769, 29148629, 55811957, 35695917, 265020, 265021, 265022, 60170815, 52644150, 264691, 264692, 33657023, 264693, 263966, 33657109, 27486261, 27486262, 27486264, 27486265, 35695763, 60431602, 18108370, 20281069, 264629, 18108374, 18108376, 55811576, 35696423, 35695855, 264634, 264635, 264636, 264555, 60431850, 264556, 264691 |
| 852 | 10147366 (1703, 1704) | | | | |

| | | | | | |
|-----|-----------------------|--|--|--------------|--|
| 853 | 13032587 (1705, 1706) | Novel Protein sim. GBank gij3402836[embjCAA76082] - (Y16136) 2-enoate reductase [Moorella thermoacetica] | | reductase | 264636 264568 |
| 854 | 80052438 (1707, 1708) | | | | |
| 855 | 79641130 (1709, 1710) | | | UNCLASSIFIED | 264692 |
| 856 | 11594238 (1711, 1712) | | | UNCLASSIFIED | 264591 |
| 857 | 79210165 (1713, 1714) | | | | 264630, 264634 |
| 858 | 80248910 (1715, 1716) | | | | 265008, 265009, 264601, 264602, 264603, 18108351 |
| 859 | 20296634 (1717, 1718) | | | | 264559 |
| 860 | 80041749 (1719, 1720) | | | UNCLASSIFIED | 264489 |
| 861 | 65857045 (1721, 1722) | | | UNCLASSIFIED | 33637023, 264630 |
| 862 | 80079467 (1723, 1724) | | | | 264600 |
| 863 | 80579931 (1725, 1726) | Novel Protein sim. GBank gij2246532 (U93872) - ORF 73, contains large complex repeat CR 73 [Kaposi's sarcoma-associated herpesvirus] | | UNCLASSIFIED | 264488, 18108398, 35696286, 264259, 18108351, 264288, 265021 |
| 864 | 94939904 (1727, 1728) | | | UNCLASSIFIED | 264259, 264112, 263974 |
| 865 | 80045310 (1729, 1730) | Novel Protein sim. GBank gij5689884[embjCAB52047.1] - (AL109732) hypothetical protein [Streptomyces coelicolor A3(2)] | Contains protein domain (PF01479) - S4 domain | | 264635, 264600, 264636, 264591, 264602, 264693 |
| 866 | 80162031 (1731, 1732) | Novel Protein sim. GBank gij4557876[ref]NP_000341.1 pABCR - ATP binding cassette transporter | transport | | 264288, 264557, 264558 |
| 867 | 80082402 (1733, 1734) | | | | |
| 868 | 10075384 (1735, 1736) | | | UNCLASSIFIED | 264605 |
| 869 | 80062406 (1737, 1738) | | | | 264909 |
| 870 | 80249651 (1739, 1740) | Novel Protein sim. GBank gij628660[pur]S37755 - Adenylyl-transferase - Escherichia coli | transferase | | 264605, 264687, 18108374 |
| 871 | 20378295 (1741, 1742) | Novel Protein sim. GBank gij1708180[sp]Q10602 HEMK_MYCTU - HEMK PROTEIN HOMOLOG | UNCLASSIFIED | | 264601, 264636 |
| 872 | 95197114 (1743, 1744) | Novel Protein sim. GBank gij1545959[embjCAA67763] - (X99384) paladin [Mus musculus] | UNCLASSIFIED | | 264603 |
| 873 | 20189728 (1745, 1746) | Novel Protein sim. GBank gij4156104 (AE001569) - putative Outer membrane protein [Helicobacter pylori J99] | Contains protein domain (PF00096) - Zinc finger, C2H2 type | UNCLASSIFIED | 35696286, 22278998, 264259, 29331822, 29331824, 29331825, 60432289, 29331826, 29331827, 29331828, 35696052, 264509, 264905, 264906, 264907, 264908, 264909, 264510, 265006, 264511, 264512, 265007, 265008, 265009, 264910, 264591, 60433356, 264596, 52646317, 87168474, 265010, 264602, 264603, 265017, 265018, 264605, 18108351, 264764, 264766, 264768, 52644229, 264769, 21906765, 265021, 264534, 264691, 52645129, 264628, 264629, 35696423, 65274791, 264631, 264632, 264635, 264636, 264556, 264637, 264638, 264639, 60432113, 22279000, 22279002, 264564 |

| | | | | | | |
|-----|-----------------------|---|---|-------------------|--|--|
| 874 | 80077692 (1747, 1748) | Novel Protein sim. GBank gi134319 sp P07819 SCRB_BACSU - SUCROSE-8- PHOSPHATE HYDROLASE (SUCRASE) (INVERTASE) | | UNCLASSIFIED | 264600 | |
| 875 | 86608446 (1749, 1750) | Novel Protein sim. GBank gi1481000 pir S37594 - mucin - human (fragment) | | | 264259, 264448, 264288, 264557, 87168518 | |
| 876 | 86465157 (1751, 1752) | Novel Protein sim. GBank gi13128283 (AF010496) - iron(iii) dicitrate transport ATP-binding protein [Rhodobacter capsulatus] | Contains protein domain (PF000005) - ABC transporter | transport | 264907, 264601, 264602, 264605, 265020, 60431602 | |
| 877 | 87802548 (1753, 1754) | Novel Protein sim. GBank gi1731074 sp P40349 URB1_USTMA - SIDEROPHORE BIOSYNTHESIS REGULATORY PROTEIN URBS1 | Contains protein domain (PF00320) - GATA zinc finger | transcriptfactor | 22278998, 264909, 264369 | |
| 878 | 80187289 (1755, 1756) | Novel Protein sim. GBank gi1351614 sp Q09853 YAE_D_SCHPO - HYPOTHETICAL 181.5 KD PROTEIN C2303.13C IN CHROMOSOME I | | ATPase-associated | 264369, 264555 | |
| 879 | 94328962 (1757, 1758) | Novel Protein sim. GBank gi13875304 emb CAA98434 - (Z74030) predicted using Genefinder; cDNA EST EMBL: C07609 comes from this gene; cDNA EST EMBL: C09023 comes from this gene; cDNA EST yk505e9.3 comes from this gene; cDNA EST yk489h9.3 comes from this gene; cDNA EST yk489h9.5 com... | | | 56182575, 29331824, 264508, 264906, 265018, 18108351, 264448, 264683, 21906768, 21906768, 60170615, 33657023, 65274620, 33657109, 18108374, 35695855, 264563 | |
| 880 | 8491135 (1759, 1760) | Novel Protein sim. GBank gi137120 sp P11214 UROT_MOUSE - TISSUE PLASMINOGEN ACTIVATOR PRECURSOR (TPA) (T- PLASMINOGEN ACTIVATOR) | Contains protein domain (PF00051) - Kringle domain | cathepsin | 264508 | |
| 881 | 11290122 (1761, 1762) | Novel Protein sim. GBank gi2632098 emb CAA75667 - (Y15513) Prodos protein [Drosophila melanogaster] | | UNCLASSIFIED | 264508 | |
| 882 | 11077011 (1763, 1764) | Novel Protein sim. GBank gi1155068 emb CAA64425 - (X94976) cell wall-plasma membrane linker protein [Brassica napus] | | UNCLASSIFIED | 264558 | |
| 883 | 79582969 (1765, 1766) | Novel Protein sim. GBank gi12078027 emb CAB08467 - (Z95208) hypothetical protein Rv2372c [Mycobacterium tuberculosis] | | UNCLASSIFIED | 264688 | |
| 884 | 13517921 (1767, 1768) | Novel Protein sim. GBank gi12078027 emb CAB08467 - (Z95208) hypothetical protein Rv2372c [Mycobacterium tuberculosis] | | UNCLASSIFIED | 264636 | |
| 885 | 80052457 (1769, 1770) | Novel Protein sim. GBank gi12078027 emb CAB08467 - (Z95208) hypothetical protein Rv2372c [Mycobacterium tuberculosis] | | UNCLASSIFIED | 264605, 18108362 | |
| 886 | 11685138 (1771, 1772) | Novel Protein sim. GBank gi2695834 emb CAA15904 - (AL021006) sucA [Mycobacterium tuberculosis] | | | 264690 | |
| 887 | 94315307 (1773, 1774) | Novel Protein sim. GBank gi2695834 emb CAA15904 - (AL021006) sucA [Mycobacterium tuberculosis] | | dehydrogenase | 35696052, 264906, 264600, 264603, 35695917, 35695855, 264636 | |
| 888 | 10083399 (1775, 1776) | Novel Protein sim. GBank gi15689395 dbj BAA82981.1 - (AB028952) KIAA1029 protein [Homo sapiens] | | UNCLASSIFIED | 264908 | |
| 889 | 20385917 (1777, 1778) | Novel Protein sim. GBank gi1881338 dbj BAA19365 - (AB001488) PROBABLE INTEGRAL MEMBRANE PROTEIN, SIMILAR TO CHLORAMPHENICOL RESISTANCE PROTEIN OF STREPTOMYCES VENEZUELAE. [Bacillus subtilis] | | | 264603 | |
| 890 | 19904337 (1779, 1780) | Novel Protein sim. GBank gi1854065 emb CAA58337 - (X83413) U88 [Human herpesvirus 6] | | | 264629 | |

| | | | | | |
|-----|-----------------------|---|--|----------------------|--|
| 891 | 13516879 (1781, 1782) | Novel Protein sim. GBank gi 4959396 gb AAD34331.1 AF11248 - (AF11248.1) RAD54B protein [Homo sapiens] | | UNCLASSIFIED | 264636 |
| 892 | 87634157 (1783, 1784) | Novel Protein sim. GBank gi 545526 bbs 143833 - LBP- 1b=transcription factor binding to initiation site of HIV-1 (alternatively spliced) [human, Namakwa cells, Peptide, 541 aa] | | transcription factor | 22278996, 22278999, 29331828, 35696052, 264908, 264909, 265009, 265011, 264602, 265019, 264766, 21906765, 21906766, 21906769, 265020, 265021, 56526486 264689, 263967 |
| 893 | 78168037 (1785, 1786) | Novel Protein sim. GBank gi 2829698 sp P80608 CYSK_MAIZE - CYSTEINE SYNTHASE (O-ACETYL SERINE SULFHYDRYLASE) (O- ACETYL SERINE (THIOL)-LYASE) (CSASE) | | synthase | |
| 894 | 11102240 (1787, 1788) | | | | 263978 |
| 895 | 80239868 (1789, 1790) | | | UNCLASSIFIED | 264508, 264600, 264555, 264559 |
| 896 | 79747803 (1791, 1792) | | | | 264632 |
| 897 | 94991923 (1793, 1794) | | | UNCLASSIFIED | 264686, 29331828, 264511 |
| 898 | 87895109 (1795, 1796) | | Contains protein domain (PF00047) - Immunoglobulin domain | | 56182575, 60432289, 56182435, 60432229, 55811957, 22279000, 264486 264601 |
| 899 | 11100463 (1797, 1798) | | | | 264769, 264691, 264563 |
| 900 | 80499788 (1799, 1800) | Novel Protein sim. GBank gi 1750127 (U66480) - YncC [Bacillus subtilis] | | transport | |
| 901 | 90502410 (1801, 1802) | Novel Protein sim. GBank gi 3122879 sp O07438 SYA_MYCTU - ALANYL-TRNA SYNTHETASE (ALANINE--TRNA LIGASE) (ALARS) | Contains protein domain (PF01411) - tRNA synthetases class II (A) | synthase | 264907, 264602, 264605, 264769, 35695917, 18108376, 264563 |
| 902 | 80503301 (1803, 1804) | Novel Protein sim. GBank gi 3355701 emb CAA200011 - (AL031124) 3-isopropylmalate dehydratase large subunit [Streptomyces coelicolor] | Contains protein domain (PF00330) - Aconitase family (aconitate hydratase) | isomerase | 264909, 265008, 264602, 264604, 264769, 264689, 264693 |
| 903 | 82060208 (1805, 1806) | Novel Protein sim. GBank gi 2960120 emb CAA18018.1 - (AL022121) gipK [Mycobacterium tuberculosis] | Contains protein domain (PF00370) - FGGY family of carbohydrate kinases | kinase | 35696052, 264905, 264510, 264511, 264512, 264605, 264760, 18108351, 264762, 264687, 264768, 264769, 264688, 21906764, 35695917, 27486262, 35695855, 264634, 264636, 264486 264604 |
| 904 | 20451078 (1807, 1808) | Novel Protein sim. GBank gi 728887 sp P40906 ARGI_COCIM - ARGINASE | Contains protein domain (PF00491) - Arginase family | hydrolase | |
| 905 | 9398483 (1809, 1810) | Novel Protein sim. GBank gi 4567200 gb AAD23616.1 AC00716 - (AC007168) hypothetical protein [Arabidopsis thaliana] | | UNCLASSIFIED | 264909 |
| 906 | 80052628 (1811, 1812) | Novel Protein sim. GBank gi 3738200 emb CAA21292 - (AL031855) putative vacuolar membrane protein [Schizosaccharomyces pombe] | | | 264595, 264605 |
| 907 | 87913201 (1813, 1814) | | | | |
| 908 | 11754482 (1815, 1816) | Novel Protein sim. GBank gi 3868940 db BAA34296 - (AB015054) Alg2 [Rhizomucor pusillus] | | UNCLASSIFIED | 60432289, 264601, 264690 |
| 909 | 20727907 (1817, 1818) | | | UNCLASSIFIED | 264638 264602 |
| 910 | 16776206 (1819, 1820) | Novel Protein sim. GBank gi 4589728 db BAA76883.1 - (AB003137) DnaJ homolog protein [Salix glauca] | Contains protein domain (PF00884) - DnaJ central domain (4 repeats) | eph | 265009 |

| | | | | | |
|-----|-----------------------|---|---|---------------------------|--|
| 911 | 87454340 (1821, 1822) | Novel Protein sim. GBank gi 548774 sp P35685 RL7A_ORYSA - 60S RIBOSOMAL PROTEIN L7A | | ribosomalprot | 265010, 264604, 60432113 |
| 912 | 20448663 (1823, 1824) | Novel Protein sim. GBank gi 2314008 gb AAD07821.1 - (AE000597) CDP-diglycyl hydrolase (cdh) [Helicobacter pylori 26695] | | hydrolase | 264559 |
| 913 | 20468337 (1825, 1826) | | | | |
| 914 | 79183351 (1827, 1828) | Novel Protein sim. GBank gi 417657 sp Q03604 RI1 - CAEEL - PROBABLE RIBONUCLEOSIDE-DIPHOSPHATE REDUCTASE LARGE CHAIN (RIBONUCLEOTIDE REDUCTASE) | Contains protein domain (PF00317) - Ribonucleotide reductase | UNCLASSIFIED reductase | 264604 264636 |
| 915 | 87606703 (1829, 1830) | Novel Protein sim. GBank gi 568957 dbj BAA83069.1 - (AB029040) KIAA1117 protein [Homo sapiens] | | | 18108398, 22278996, 66714117, 264906, 264591, 21906768, 265020, 55811576, 264638 |
| 916 | 79444091 (1831, 1832) | Novel Protein sim. GBank gi 4186110 emb CAA71790 - (Y10831) putative integrase [Ralstonia eutropha] | | UNCLASSIFIED | 264595 |
| 917 | 20195985 (1833, 1834) | | | | |
| 918 | 91226795 (1835, 1836) | Novel Protein sim. GBank gi 1655699 emb CAA69032 - (Y07752) pherophorin-S [Volvox carter] | | UNCLASSIFIED synthase | 264605 264259, 29331826, 264908, 265019, 264448, 265020, 264635, 83373044 |
| 919 | 80436785 (1837, 1838) | Novel Protein sim. GBank gi 5689968 emb CAB52005.1 - (AL109663) putative membrane protein [Streptomyces coelicolor A3(2)] | | | 265006, 264512, 264600, 264602, 264604, 264768, 18108370, 264563 |
| 920 | 79606095 (1839, 1840) | Novel Protein sim. GBank gi 1168448 sp Q05813 AMP1_STRLI - XAA-PRO AMINOPEPTIDASE I (X-PRO AMINOPEPTIDASE I) (AMINOPEPTIDASE P I) (APP) (PEPP I) (AMINOACYLPROLINE AMINOPEPTIDASE I) | | peptidase | 264508 |
| 921 | 19858634 (1841, 1842) | Novel Protein sim. GBank gi 3850084 emb CAA21911.1 - (AL033389) alcohol dehydrogenase [Schizosaccharomyces pombe] | | UNCLASSIFIED | 264600 |
| 922 | 78982605 (1843, 1844) | | | | |
| 923 | 86695830 (1845, 1846) | Novel Protein sim. GBank gi 267079 sp P29514 TB86_ARATH - TUBULIN BETA-6 CHAIN | | tubulin | 265019, 22279002 264907, 265008, 265009, 265010, 18108351, 264689, 265021, 18108370, 18108374, 18108385 |
| 924 | 21431341 (1847, 1848) | | | | |
| 925 | 20630332 (1849, 1850) | Novel Protein sim. GBank gi 2497688 sp Q60963 PAFA_MOUSE - PLATELET- ACTIVATING FACTOR ACETYLHYDROLASE PRECURSOR (PAF ACETYLHYDROLASE) (PAF 2- ACYLHYDROLASE) (LDL-ASSOCIATED PHOSPHOLIPASE A2) (LDL-PLA(2)) (2-ACETYL-1- ALKYLGLYCEROPHOSPHOCHOLINE ESTERASE) (1- ALKYL-2-ACETYLGLYCEROPHO... | | esterase | 264510 264603 |
| 926 | 79397657 (1851, 1852) | Novel Protein sim. GBank gi 3882325 dbj BAA34522.1 - (AB018345) KIAA0802 protein [Homo sapiens] | | | 55811957, 263972, 264639 |
| 927 | 37036201 (1853, 1854) | | | UNCLASSIFIED | 264769 |

| | | | | | |
|-----|-----------------------|---|--|---------------|--|
| 928 | 80070610 (1855, 1856) | Novel Protein sim. GBank gij156146 (M30316) - xanthine dehydrogenase (AA al 2538) [Caliphora vicina] | | dehydrogenase | 264605 |
| 929 | 20630336 (1857, 1858) | Novel Protein sim. GBank gij4115936jgbjAAD03446.1] - (AF118223) No definition line found [Arabidopsis thaliana] | | UNCLASSIFIED | 264603 |
| 930 | 5496348 (1859, 1860) | Novel Protein sim. GBank gij4490609jembjCAB38642.1] - (AJ133495) ribonucleotide reductase major subunit [Staphylococcus aureus] | | reductase | 264259 |
| 931 | 10245731 (1861, 1862) | Novel Protein sim. GBank gij5459336jembjCAB50754.1] - (AL096839) putative integral membrane transport protein [Streptomyces coelicolor] | | transport | 264486 |
| 932 | 80420613 (1863, 1864) | Novel Protein sim. GBank gij5689523jdbjBAA83045.1] - (AB029016) KIAA1093 protein [Homo sapiens] | | UNCLASSIFIED | 264508, 264905, 264906, 264909, 264600, 264602, 264603, 264605, 264766, 264558, 18108387, 264486 |
| 933 | 94326010 (1865, 1866) | Novel Protein sim. GBank gij119111]spIP12978jEBN2_EBV - EBNA-2 NUCLEAR PROTEIN | | UNCLASSIFIED | 264508, 264686, 264693, 27486261, 18108370, 65274791, 264636, 264559, 22279002 |
| 934 | 80039105 (1867, 1868) | | | | 264369, 22279002 |
| 935 | 80063162 (1869, 1870) | | | | |
| 936 | 80026632 (1871, 1872) | Novel Protein sim. GBank gij845686 (M32103) - ORF-27 [Staphylococcus aureus] | | UNCLASSIFIED | 264604, 264605, 264693, 18108370, 18108374 |
| 937 | 80250273 (1873, 1874) | Novel Protein sim. GBank gij1360669jprjCGHU1V - collagen alpha 1(V) chain precursor - human | | UNCLASSIFIED | 22278995, 22278996, 264602, 264687, 32833986, 18108387 |
| 938 | 80026633 (1875, 1876) | Novel Protein sim. GBank gij226243jembjCAA74531.1] - (Y14083) hypothetical protein [Bacillus subtilis] | | synthase | 263978 |
| 939 | 11071694 (1877, 1878) | | | UNCLASSIFIED | 264602 |
| 940 | 94144252 (1879, 1880) | Novel Protein sim. GBank gij3560166jembjCAA20678] - (AL031525) ubiquitin carboxyl-terminal hydrolase [Schizosaccharomyces pombe] | | ubiquitin | 264600 |
| | | | | | 264905, 264906, 264907, 264908, 264909, 264511, 264910, 264592, 33657402, 264596, 264758, 264760, 264683, 264766, 264768, 264769, 33657023, 33657109, 264628, 264629, 264630, 264635, 264636, 264555, 264637, 264556, 264638, 264639, 83373044, 18108385, 264565, 18108391 |
| 941 | 11398414 (1881, 1882) | | | | 264593 |
| 942 | 19484122 (1883, 1884) | | | UNCLASSIFIED | 264760 |
| 943 | 80080258 (1885, 1886) | Novel Protein sim. GBank gij4033729 (AF038595) - apolipoprotein N-acyltransferase [Pseudomonas aeruginosa] | | UNCLASSIFIED | 264600, 264687, 264689, 264563 |
| 944 | 80216096 (1887, 1888) | Novel Protein sim. GBank gij2494764]spIQ50729]GUAA_MYCTU - GMP SYNTHASE (GLUTAMINE-HYDROLYZING) (GLUTAMINE AMIDOTRANSFERASE) (GMP SYNTHETASE) | | synthase | 264511, 264603 |
| 945 | 80052477 (1889, 1890) | Novel Protein sim. GBank gij732353]spIP39606jYWCH_BACSU - HYPOTHETICAL 36.6 KD PROTEIN IN QOXD-VPR INTERGENIC REGION | | UNCLASSIFIED | 264906, 264604, 264605, 265020, 18108387 |
| 946 | 79248402 (1891, 1892) | | | | 265017 |

| | | | | | |
|-----|-----------------------|--|--|------------------|--|
| 947 | 81802699 (1893, 1894) | Novel Protein sim. GBank gij2896770[emb CAA17247] - (AL021899) hypothetical protein Rv2033c [Mycobacterium tuberculosis] | Contains protein domain (PF00459) - Inositol monophosphatase family | phosphatase | 18108394, 22278996, 264907, 264909, 265008, 265009, 264910, 264758, 264600, 264602, 265018, 264605, 264769, 264689, 264693 |
| 948 | 88165538 (1895, 1896) | Novel Protein sim. GBank gij2827284 (AF041037) - novel antagonist of FGF signaling [Homo sapiens] | | fgf | 18108398, 56182575, 22278997, 22278999, 60432049, 29331822, 29331826, 264907, 56182435, 55811386, 265011, 264600, 265017, 265018, 265019, 18108351, 265020, 265021, 265022, 27486265, 263972, 55811576, 264638, 60170394, 264566 |
| 949 | 88081786 (1897, 1898) | Novel Protein sim. GBank gij4507985[re NP_003427.1 pZNF1 - zinc finger protein 135 (clone pHZ-17)] | Contains protein domain (PF00096) - Zinc finger, C2H2 type | transcriptfactor | 29331825, 21906764, 27486261, 21908766, 52644296, 33657349, 87188518, 56994075, 265020, 265021, 87168559, 52844150, 264637 |
| 950 | 79485872 (1899, 1900) | Novel Protein sim. GBank gij1079461[pr S43865 - cytokeratin 8, type II - potato (fragment)] | Contains protein domain (PF00038) - Intermediate filament proteins | struct | 264683, 18108361 |
| 951 | 20451411 (1901, 1902) | Novel Protein sim. GBank gij5420387[emb CAB46679.1] - (AJ243459) proteophosphoglycan [Leishmania major] | | UNCLASSIFIED | 264604 |
| 952 | 79566954 (1903, 1904) | Novel Protein sim. GBank gij5305702[gb AAD41779.1 AF12686 - (AF126867) calpain-like protease [Mus musculus] | | calpainsin | 264910, 264691 |
| 953 | 10196603 (1905, 1906) | Novel Protein sim. GBank gij2495642[sp Q47142 YFHS, ECOLI - HYPOTHETICAL 41.6 KD PROTEIN IN CSIE-GLYA INTERGENIC REGION] | | transport | 264510 |
| 954 | 98933326 (1907, 1908) | Novel Protein sim. GBank gij2360965 (AF016253) - D-amino acid dehydrogenase [Klebsiella aerogenes] | | dehydrogenase | 264508 |
| 955 | 95313410 (1909, 1910) | Novel Protein sim. GBank gij5454064[re NP_006319.1 pSIP] - SYT interacting protein | Contains protein domain (PF00076) - RNA recognition motif (a.k.a. RRM, RBD, or RNP domain) | dna_rna_bind | 56994075, 264509, 264905, 264906, 264907, 264908, 264909, 264510, 264910, 264758, 264759, 265010, 264601, 264760, 18108351, 264762, 264763, 264764, 264766, 264686, 264767, 264687, 264768, 264769, 264689, 264628, 264629, 264630, 264631, 264632, 264634, 264635, 264636, 264637, 264638, 56182323, 264639, 18108388, 264563, 264564 |
| 956 | 80064224 (1911, 1912) | Novel Protein sim. GBank gij2052129[emb CAB08155] - (Z94752) rimJ [Mycobacterium tuberculosis] | | | 264605 |
| 957 | 80056206 (1913, 1914) | | | UNCLASSIFIED | 264603, 18108362 |
| 958 | 80036446 (1915, 1916) | Novel Protein sim. GBank gij1709787[sp Q00451 PRF1_LYCES - 36.4 KD PROLINE-RICH PROTEIN] | | UNCLASSIFIED | 264908, 264910, 264762, 263978, 264637 |
| 959 | 80026647 (1917, 1918) | Novel Protein sim. GBank gij2131050[emb CAB09260] - (Z95944) opca [Mycobacterium tuberculosis] | | UNCLASSIFIED | 264602, 264692 |
| 960 | 37815406 (1919, 1920) | Novel Protein sim. GBank gij2129478[pr IS51939 - chitinase (EC 3.2.1.14) precursor - beet] | | UNCLASSIFIED | 264259 |
| 961 | 20567383 (1921, 1922) | | | | 263978 |
| 962 | 11399318 (1923, 1924) | | | | 264593 |

| | | | | | | |
|-----|-----------------------|--|--|--|--------------|--|
| 963 | 80580374 (1925, 1926) | | | | UNCLASSIFIED | 264510, 264288, 264555, 264556, 264559, 264486 |
| 964 | 79832019 (1927, 1928) | Novel Protein sim. GBank gi 4589622 dbj BAA78833.1 - (AB023206) KIAA0989 protein [Homo sapiens] | | | UNCLASSIFIED | 264112, 264910, 264689 |
| 965 | 91229485 (1929, 1930) | Novel Protein sim. GBank gi 5420387 emb CAB46679.1 - (AJ243459) proteophosphoglycan [Leishmania major] | | | UNCLASSIFIED | 264488, 265017, 264448, 264634, 264558, 83373044 |
| 966 | 95292815 (1931, 1932) | | | | UNCLASSIFIED | 264908, 264592, 264596, 264604, 264768, 21906764, 264692, 264693, 264829, 264636, 264638 |
| 967 | 79255708 (1933, 1934) | Novel Protein sim. GBank gi 1731207 sp Q11156 RGX3_MYCTU - SENSORY TRANSDUCTION PROTEIN REGX3 | Contains protein domain (PF00072) - Response regulator receiver domain | | phosphatase | 264760 |
| 968 | 79560269 (1935, 1936) | Novel Protein sim. GBank gi 266183 emb CAA75187 - (Y14964) putative transport protein [Methylophilus methylotrophus] | | | transport | 264693 |
| 969 | 79919470 (1937, 1938) | Novel Protein sim. GBank gi 5419878 emb CAB46422.1 - (AL096747) hypothetical protein [Homo sapiens] | Contains protein domain (PF00096) - Zinc finger, C2H2 type | | dna_ma_bind | 35696286, 264685, 264686, 35695917, 264692, 18108374, 264635 |
| 970 | 95085947 (1939, 1940) | | | | UNCLASSIFIED | 18108392, 18108394, 18108398, 22278995, 22278996, 22278998, 22278999, 29147620, 264828, 265006, 265007, 265008, 265009, 18108348, 33109954, 265010, 265011, 18108351, 264288, 21906767, 21906768, 18108370, 18108374, 18108377, 264630, 264635, 18108380, 83373044, 18108387, 18108388 |
| 971 | 78919770 (1941, 1942) | | | | UNCLASSIFIED | 265007, 265020, 22279002 |
| 972 | 20710704 (1943, 1944) | | | | | 264557 |
| 973 | 20370183 (1945, 1946) | Novel Protein sim. GBank gi 1723119 sp P53990 Y174_HUMAN - HYPOTHETICAL PROTEIN KIAA0174 | | | | 264604 |
| 974 | 80057103 (1947, 1948) | | | | UNCLASSIFIED | 264565 |
| 975 | 10196018 (1948, 1950) | | | | UNCLASSIFIED | 264510 |
| 976 | 80205742 (1951, 1952) | Novel Protein sim. GBank gi 3881459 emb CAA92988.1 - (Z68753) predicted using GeneFinder. Similarity to Yeast hypothetical protein YIK9 (SW:YIK9_YEAST); cDNA EST EMBL:D27680 comes from this gene; cDNA EST EMBL:D27679 comes from this gene; cDNA EST EMBL:D64477 comes from this ge... | | | UNCLASSIFIED | 264508, 264906, 264758, 264632, 264639, 264563 |
| 977 | 10355349 (1953, 1954) | Novel Protein sim. GBank gi 549456 sp Q05335 XYS3_PSEPU - XYLDIEGF OPERON TRANSCRIPTIONAL ACTIVATOR 3 | | | UNCLASSIFIED | 264906 |
| 978 | 80025927 (1955, 1956) | | | | | |
| 979 | 80447820 (1957, 1958) | Novel Protein sim. GBank gi 3171904 emb CAA75869 - (Y15908) DIA-12C protein [Homo sapiens] | | | UNCLASSIFIED | 264600, 264602, 264603, 264604 |
| 980 | 80025928 (1959, 1960) | | | | UNCLASSIFIED | 264767, 264768, 265006, 265007, 264906 |
| 981 | 80098550 (1961, 1962) | Novel Protein sim. GBank gi 3599940 AF017368 - facitogenital dysplasia protein 2 [Mus musculus] | | | UNCLASSIFIED | 264600, 264602, 264605 |
| | | | | | UNCLASSIFIED | 264692, 264555, 264556, 264557, 264559 |

| | | | | | |
|-----|-----------------------|---|--|--------------|--|
| 982 | 80195670 (1963, 1964) | Novel Protein sim. GBank gij2950220[emb CAA71575] - (Y10545) fused-ccdB [Escherichia coli] | | UNCLASSIFIED | 264404 |
| 983 | 90995041 (1965, 1968) | Novel Protein sim. GBank gij476389[pir B43402] - myosin heavy chain-B, neuronal - chicken | | struct | 65274572, 56182575, 264908, 264909, 265007, 265008, 264758, 265010, 55811150, 33657023, 264634, 264557, 264558 |
| 984 | 20466876 (1967, 1968) | | | UNCLASSIFIED | 264605 |
| 985 | 65461368 (1969, 1970) | Novel Protein sim. GBank gij3451504[emb CAA07660.1] - (AJ007747) hypothetical protein BbLPs1.21 [Bordetella bronchiseptica] | Contains protein domain (PF00534) - Glycosyl transferases group 1 | transferase | 56182435, 264600 |
| 986 | 87102868 (1971, 1972) | | | UNCLASSIFIED | 264106, 264110, 265020, 60170615 |
| 987 | 7967231 (1973, 1974) | | | UNCLASSIFIED | 264909 |
| 988 | 19858661 (1975, 1976) | | | UNCLASSIFIED | 264600 |
| 989 | 88095329 (1977, 1978) | | | UNCLASSIFIED | 264508, 265017, 264534, 264564 |
| 990 | 88057746 (1979, 1980) | Novel Protein sim. GBank gij5725506[gb AAD48080.1 AF06015] - (AF060152) METH1 protein [Homo sapiens] | Contains protein domain (PF01421) - Reprolysin (M12B) family zinc metalloprotease | oxidase | 264259, 264908, 265009, 264910, 264596, 264369, 264288, 264766, 264628, 264635, 264566 |
| 991 | 10106140 (1981, 1982) | | | UNCLASSIFIED | 264909 |
| 992 | 79845694 (1983, 1984) | Novel Protein sim. GBank gij2105049[emb CAB08835] - (Z85436) hypothetical protein Rv3645 [Mycobacterium tuberculosis] | Contains protein domain (PF00211) - Adenylate and Guanylate cyclase catalytic domain | UNCLASSIFIED | 264508, 264593 |
| 993 | 10814053 (1985, 1986) | | | | 264907 |
| 994 | 11090590 (1987, 1988) | Novel Protein sim. GBank gij3329297 (AE001355) - Ribonucleoside Reductase, Large Chain [Chlamydia trachomatis] | | reductase | 264602 |
| 995 | 94321811 (1989, 1990) | Novel Protein sim. GBank gij5106572[gb AAD39760.1 AF14394] - (AF143946) transcriptional activator SRCAP [Homo sapiens] | Contains protein domain (PF00176) - SNF2 and others N-terminal domain | helicase | 18108398, 65274572, 22278996, 264490, 60432049, 29331827, 29146498, 264508, 264905, 264907, 264908, 56182435, 265008, 264591, 264592, 60432229, 60431735, 33657402, 264595, 264758, 21906754, 265010, 265017, 265018, 264605, 264760, 264448, 264763, 264768, 21906765, 21906768, 21906769, 55811957, 264692, 264693, 264629, 35696423, 55811576, 35695855, 264636, 264555, 264556, 264558, 83373044, 22279002, 264563 |
| 996 | 91013745 (1991, 1992) | Novel Protein sim. GBank gij2911719 (AC004227) - KIA001LB [Homo sapiens] | Contains protein domain (PF00595) - PDZ domain (Also known as DHR or GLGF) | phosphatase | 83373044, 29331824, 263978, 55811957, 56526488, 87168518, 264910, 264906, 264565, 264566, 264693, 264766 |
| 997 | 80503347 (1993, 1994) | Novel Protein sim. GBank gij2649101 (AE001001) - ABC transporter, ATP-binding protein [Archaeoglobus fulgidus] | Contains protein domain (PF000005) - ABC transporter | transport | 35696286, 22278997, 22278999, 264508, 264905, 264908, 265010, 264600, 264602, 264605, 264688, 264769, 265021, 264565, 18108391 |
| 998 | 11397390 (1995, 1996) | Novel Protein sim. GBank gij123530[sp P04929 HRPX_PLALO - HISTIDINE-RICH GLYCOPROTEIN PRECURSOR | | | 264595 |

| | | | | | | |
|------|-----------------------|--|--|---------------|--|--|
| 999 | 11768047 (1997, 1998) | Novel Protein sim. GBank gil2506697[sp]P46490[YFCA_HAEIN - HYPOTHETICAL PROTEIN HI0198] | | UNCLASSIFIED | 264582 | |
| 1000 | 20727944 (1999, 2000) | | | UNCLASSIFIED | 264602 | |
| 1001 | 86673131 (2001, 2002) | Novel Protein sim. GBank gil2224699[dbj]BAA20833] - (AB002377) KIAA0379 [Homo sapiens] | Contains protein domain (PF00023) - Ank repeat | kinase | 60432049, 264907, 264909, 264511, 264603, 264683, 264684, 264687, 264689, 29148627, 21906769, 264692, 18108385, 22279000 265009, 264369, 265020 | |
| 1002 | 80189603 (2003, 2004) | Novel Protein sim. GBank gil588121[sp]P37709[TRHY_RABIT - TRICHOHYALIN] | | struct | | |
| 1003 | 17933491 (2005, 2006) | | | | 265019 | |
| 1004 | 16314987 (2007, 2008) | Novel Protein sim. GBank gil854065[emb]CAA58337] - (X83413) U98 [Human herpesvirus 6] | | | 264635 | |
| 1005 | 79617144 (2009, 2010) | Novel Protein sim. GBank gil114073[sp]P07672[APT_ECOLI - ADENINE PHOSPHORIBOSYLTRANSFERASE (APRT)] | | UNCLASSIFIED | 264508 | |
| 1006 | 37815429 (2011, 2012) | | | UNCLASSIFIED | 264259 | |
| 1007 | 79620871 (2013, 2014) | Novel Protein sim. GBank gil4062979[dbj]BAA36210.1] - (AB017138) epsilon subunit of malonate decarboxylase [Pseudomonas putida] | | synthase | 264905 | |
| 1008 | 88094444 (2015, 2016) | Novel Protein sim. GBank gil2808807[emb]CAA04607.1] - (AJ001206) putative trehalose synthase [Streptomyces coelicolor] | | synthase | 265007, 264602, 264605, 264760, 264636 | |
| 1009 | 57451289 (2017, 2018) | Novel Protein sim. GBank gil3539077 (AF090113) - AMPA receptor binding protein [Rattus norvegicus] | Contains protein domain (PF00595) - PDZ domain (Also known as DHR or GLGF) | kinase | 264102, 264288 | |
| 1010 | 94672537 (2019, 2020) | Novel Protein sim. GBank gil3746332 (AF016307) - possible NADH-dependent oxidase, may function as a demethylase [Sinorhizobium meliloti] | | dehydrogenase | 264592 | |
| 1011 | 85546916 (2021, 2022) | Novel Protein sim. GBank gil2342647[gb]AAB86591.1] - (U90653) DHHC-domain-containing cysteine-rich protein [Homo sapiens] | | UNCLASSIFIED | 35896052, 264905, 264764, 264768, 35895917, 264629 | |
| 1012 | 95294456 (2023, 2024) | Novel Protein sim. GBank gil3413411[emb]CAA20272] - (AL031231) guanosine pentaphosphate synthetase/ polynucleotide nucleotidyltransferase [Streptomyces coelicolor] | Contains protein domain (PF00013) - KH domain | phosphorylase | 35896052, 264905, 264600, 264601, 264602, 264605, 264762, 264766, 264768, 264689 | |
| 1013 | 86095772 (2025, 2026) | | | UNCLASSIFIED | 264591, 21906768 | |
| 1014 | 86608828 (2027, 2028) | | | UNCLASSIFIED | 29331824, 265019, 265020 | |

| | | | | | |
|------|-----------------------|---|---|--------------------|--|
| 1015 | 95418879 (2029, 2030) | Novel Protein sim. GBank gij4159995 (AF063095) - SELIL [Mus musculus] | Contains protein domain (PF00040) - Fibronectin type II domain | | 22278994, 22278995, 56994075, 22278996, 22278999, 284259, 29331825, 29331828, 284907, 56182435, 264510, 264591, 264593, 60433356, 264594, 55812038, 264758, 21906754, 33657084, 265010, 264600, 265017, 265018, 265019, 18108351, 21906765, 21906768, 21906767, 21906768, 55811957, 265022, 33657023, 65274620, 33657182, 32833986, 18108370, 18108377, 55811576, 35696423, 264630, 22279000, 264565 |
| 1016 | 79559694 (2031, 2032) | Novel Protein sim. GBank gij2506969 [sp]P41407IACPD, ECOLI - ACYL CARRIER PROTEIN PHOSPHODIESTERASE (ACP PHOSPHODIESTERASE) | | esterase | 264686, 264693 |
| 1017 | 11069213 (2033, 2034) | Novel Protein sim. GBank gij5103943 [db]BAA79259.1 - (AP000059) 802aa long hypothetical oligopeptide-binding protein oppA [Aeropyrum pernix] | Contains protein domain (PF00496) - Bacterial extracellular solute-binding proteins, family 5 | transport | 264600 |
| 1018 | 80072430 (2035, 2036) | Novel Protein sim. GBank gij4493973 [emb]CAB39032.1 - (AL034559) predicted using hexExon; MAL3P7.14 (PFC0925w), Hypothetical protein, len: 489 aa [Plasmodium falciparum] | | | 22278996, 29148627, 264563 |
| 1019 | 11703807 (2037, 2038) | | | UNCLASSIFIED | 264686 |
| 1020 | 80234432 (2039, 2040) | | | | 264508, 264509, 264512, 264600, 264762, 264769, 264689, 18108370, 264636, 264638, 264486 |
| 1021 | 37036243 (2041, 2042) | Novel Protein sim. GBank gij4633807 [gb]AAD26859.1 [AF127795] trehalose biosynthetic enzyme TreY [Rhizobium leguminosarum bv. viciae] | | synthase | 264769 |
| 1022 | 80502627 (2043, 2044) | Novel Protein sim. GBank gij1781230 [emb]CAB06271 - (Z83867) hypothetical protein Rv3137 [Mycobacterium tuberculosis] | Contains protein domain (PF00459) - Inositol monophosphatase family | phosphatase | 35696052, 264508, 265008, 265009, 264769, 18108387, 264563 |
| 1023 | 11399341 (2045, 2046) | Novel Protein sim. GBank gij3777495 (U92083) - calcium transporting ATPase [Pichia angusta] | Contains protein domain (PF00122) - E1-E2 ATPase | ATPase, associated | 264593 |
| 1024 | 80057129 (2047, 2048) | | | UNCLASSIFIED | 52646842, 33657402, 33657023, 18108379, 55811576, 264631, 264556, 264557, 264559, 18108388, 264566 |
| 1025 | 79644200 (2049, 2050) | Novel Protein sim. GBank gij3483045 [emb]CAA20556 - (AL031371) putative transport system permease protein [Streptomyces coelicolor] | | transport | 264693 |
| 1026 | 80025946 (2051, 2052) | Novel Protein sim. GBank gij1174922 [sp]Q02322 [UVRD_HAEIN - DNA HELICASE II] | | helicase | 264602 |
| 1027 | 17659234 (2053, 2054) | Novel Protein sim. GBank gij4757728 [ref]NP_004886.1 [pAGTA - angiotensin/vasopressin receptor AII/AVP-like] | | UNCLASSIFIED | 265017 |

| | | | | | |
|------|-----------------------|--|--|--------------|--|
| 1028 | 20297928 (2055, 2056) | Novel Protein sim. GBank gjl2791409[emb]CAA16003] - (AL021184) acn [Mycobacterium tuberculosis] | Contains protein domain (PF00330) - Aconitase family (aconitate hydratase) | UNCLASSIFIED | 264600 |
| 1029 | 94665090 (2057, 2058) | | | UNCLASSIFIED | 264595 |
| 1030 | 88095343 (2059, 2060) | | | UNCLASSIFIED | 264907, 264908, 264510, 264512, 265009, 265010, 265011, 264600, 264602, 264603, 264605, 264769, 18108372, 18108374 |
| 1031 | 95289117 (2061, 2062) | | | UNCLASSIFIED | 264905, 264906, 264909, 264595, 264692, 264630, 264634, 264638 |
| 1032 | 94673275 (2063, 2064) | Novel Protein sim. GBank gjl4503895[ref]NP_000145.1 pGALK - galactokinase 1 | | UNCLASSIFIED | 264689 |
| 1033 | 86464818 (2065, 2066) | Novel Protein sim. GBank gjl2982990 (AE000682) - hypothetical protein [Aquifex aeolicus] | | UNCLASSIFIED | 35686052, 264906, 264510, 18108354, 264687, 264769, 264689, 60431602, 18108385, 264486 |
| 1034 | 78245937 (2067, 2068) | Novel Protein sim. GBank gjl405895 (U00007) - methionyl-tRNA synthetase [Escherichia coli] | | UNCLASSIFIED | 264906 |
| 1035 | 79956355 (2069, 2070) | | | UNCLASSIFIED | 264692 |
| 1036 | 85804998 (2071, 2072) | | | | 264905, 66712502, 264908, 264766 |
| 1037 | 87896058 (2073, 2074) | | | UNCLASSIFIED | 29331824, 264909, 60433438, 265019 |
| 1038 | 20481015 (2075, 2076) | Novel Protein sim. GBank gjl790819 (L39891) - polycyclic kidney disease-associated protein [Homo sapiens] | Contains protein domain (PF01477) - PLATLH2 domain | | 264604, 264634 |
| 1039 | 87260021 (2077, 2078) | Novel Protein sim. GBank gjl2605967 (AF030027) - 24 [Equine herpesvirus 4] | | UNCLASSIFIED | 264092, 264093, 264094, 264683, 264689, 263967 |
| 1040 | 80026840 (2079, 2080) | Novel Protein sim. GBank gjl2352095 (U97022) - DNA topoisomerase I [Fervidobacterium islandicum] | Contains protein domain (PF01131) - isomerase | | 264595 |
| 1041 | 10156682 (2081, 2082) | Novel Protein sim. GBank gjl3256535[dbj]BAA29218.1] - (AP000001) 301aa long hypothetical 2-phosphoglycerate kinase [Pyrococcus horikoshii] | Prokaryotic DNA topoisomerase kinase | | 264907 |
| 1042 | 11084375 (2083, 2084) | Novel Protein sim. GBank gjl2058299[emb]CAA66953] - (X98309) ARI protein [Drosophila melanogaster] | | | 264605 |
| 1043 | 80057136 (2085, 2086) | Novel Protein sim. GBank gjl1870167[emb]CAA70125] - (Y08921) msik [Streptomyces reticuli] | Contains protein domain (PF000005) - transport ABC transporter | | 264565, 264567 |
| 1044 | 80025952 (2087, 2088) | | | UNCLASSIFIED | 265006, 264602, 265017 |
| 1045 | 52415482 (2089, 2090) | Novel Protein sim. GBank gjl5689890[emb]CAB52053.1] - (AL109732) hypothetical protein [Streptomyces coelicolor A3(2)] | | | 29331825, 264637 |
| 1046 | 11754862 (2091, 2092) | Novel Protein sim. GBank gjl854065[emb]CAA58337] - (X83413) U88 [Human herpesvirus 6] | helicase | | 264686 |
| 1047 | 37036258 (2093, 2094) | Novel Protein sim. GBank gjl4210471[dbj]BAA74535.1] - (AB019033) orf5A [Pseudomonas sp.] | UNCLASSIFIED | | 264769 |
| 1048 | 79186400 (2095, 2096) | Novel Protein sim. GBank gjl3413419[emb]CAA20279] - (AL031232) hypothetical protein SC10H5.07 [Streptomyces coelicolor] | Contains protein domain (PF00220) - Neurohypophysial hormones, N-terminal Domain | UNCLASSIFIED | 264687 |
| 1049 | 81755108 (2097, 2098) | Novel Protein sim. GBank gjl5051636[gb]AAD38328.1 AF07372] EH domain-binding mitotic phosphoprotein [Homo sapiens] | | UNCLASSIFIED | 264905, 264634 |
| 1050 | 79471521 (2099, 2100) | | | UNCLASSIFIED | 264686 |

| | | | | | |
|------|-----------------------|--|--|------------------|--|
| 1051 | 80475471 (2101, 2102) | | | UNCLASSIFIED | 18108374, 264769, 265010, 265011, 264601, 265009, 264604, 264605, 264636, 18108351, 264692 |
| 1052 | 82442962 (2103, 2104) | Novel Protein sim. GBank gi 3123275 sp P35136 SERA_BACSU - D-3- PHOSPHOGLYCERATE DEHYDROGENASE (PGDH) | Contains protein domain (PF00389) - D-isomer specific 2-hydroxyacid dehydrogenases | dehydrogenase | 264508, 264762, 264687, 264486 |
| 1053 | 94851640 (2105, 2106) | Novel Protein sim. GBank gi 5441319 emb CAB46717.1 - (AL034396) DJ1158812.1 (zinc finger, X-linked, duplicated A) [Homo sapiens] | | | 264686, 18108374, 29331824, 83373044, 21906754, 52645156, 56182435, 264689, 29331827, 27486281, 35696052, 21908765, 35696423, 21906768, 56182575, 21908769, 55811957, 87168518, 35696286, 22278997, 265020, 265011, 265021, 265022, 265007, 265018, 22279000, 22279002, 264482, 264906, 52644150, 264909, 264288, 29331822, 52645080, 264766 |
| 1054 | 79580225 (2107, 2108) | | | UNCLASSIFIED | 264686 |
| 1055 | 80594138 (2109, 2110) | Novel Protein sim. GBank gi 5052508 gb AAD38584.1 AF14560 - (AF145609) BcDNA GH02833 [Drosophila melanogaster] | Contains protein domain (PF00270) - DEAD/DEAH box helicase | helicase | 264907, 264602, 264681, 264288, 21906768, 33657109, 55810764, 35695855, 264631 |
| 1056 | 17882319 (2111, 2112) | Novel Protein sim. GBank gi 3021676 db BAA25358 - (D86033) RNA polymerase sigma-70 factor [Pseudomonas fluorescens] | | mapolymerase | 264906 |
| 1057 | 85667216 (2113, 2114) | Novel Protein sim. GBank gi 1226281 U50308 - No definition line found [Caenorhabditis elegans] | | UNCLASSIFIED | 264682 |
| 1058 | 80376576 (2115, 2116) | | | | 264764 |
| 1059 | 94662754 (2117, 2118) | Novel Protein sim. GBank gi 1170016 sp P46808 GREA_MYCLE - TRANSCRIPTION ELONGATION FACTOR GREA (TRANSCRIPT CLEAVAGE FACTOR GREA) | | transcriptfactor | 35696052, 35695855, 265009, 264636 |
| 1060 | 79481169 (2119, 2120) | Novel Protein sim. GBank gi 2499087 sp Q09332 UGGG DROME - UDP- GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (DUGT) | | glycoprotein | 29146499, 264681, 264683, 264687 |
| 1061 | 11034025 (2121, 2122) | Novel Protein sim. GBank gi 90254 pir J28334 - protein- tyrosine-phosphatase (EC 3.1.3.48) Ly-5 precursor (B-cell variant) - mouse | | phosphatase | 264634 |
| 1062 | 39567937 (2123, 2124) | Novel Protein sim. GBank gi 3334200 sp Q49954 GCSP_SOLTU - GLYCINE DEHYDROGENASE (DECARBOXYLATING) PRECURSOR (GLYCINE DECARBOXYLASE) [GLYCINE CLEAVAGE SYSTEM P-PROTEIN] | | dehydrogenase | 264593 |
| 1063 | 8490481 (2125, 2126) | Novel Protein sim. GBank gi 2499966 sp Q41228 PSE1_NICSY - PHOTOSYSTEM I REACTION CENTRE SUBUNIT IV A PRECURSOR (PSI-E A) | | | 264508 |
| 1064 | 78891783 (2127, 2128) | Novel Protein sim. GBank gi 82654 pir JJA0086 - 10K zein precursor - maize | | | 265007, 265008, 18108351, 18108385 |

| | | | | | |
|------|-----------------------|---|--|-------------------|--|
| 1065 | 80021208 (2128, 2130) | Novel Protein sim. GBank gi 2120998 pir J S70882 - glycosyltransferase homolog - Bordetella pertussis | | transferase | 264600, 264602, 264689 |
| 1066 | 17856879 (2131, 2132) | Novel Protein sim. GBank gi 2506382 sp P15042 DNLJ_ECOLI - DNA LIGASE (POLYDEOXYRIBONUCLEOTIDE SYNTHASE (NAD+)) | | synthase | 265009 |
| 1067 | 10132178 (2133, 2134) | | | | 264909 |
| 1068 | 82062057 (2135, 2136) | Novel Protein sim. GBank gi 4007669 emb CAA22355 - (AL034443) putative oxidoreductase [Streptomyces coelicolor] | Contains protein domain (PF00248) - Aldo/keto reductase family | reductase | 264688, 18108362, 264558, 264600, 264760 |
| 1069 | 83002854 (2137, 2138) | Novel Protein sim. GBank gi 4589484 db BAA76770.1 - (AB023143) KIAA0926 protein [Homo sapiens] | | UNCLASSIFIED | 264604 |
| 1070 | 82101992 (2139, 2140) | Novel Protein sim. GBank gi 120304 sp P15932 FLGK_SALTY - FLAGELLAR HOOK-ASSOCIATED PROTEIN 1 (HAP1) | | UNCLASSIFIED | 264604, 264760 |
| 1071 | 20710589 (2141, 2142) | Novel Protein sim. GBank gi 750397 (U81261) - glutamate synthase large subunit [Pseudomonas aeruginosa] | | synthase | 264602 |
| 1072 | 82356540 (2143, 2144) | | | | |
| 1073 | 79814400 (2145, 2146) | | | UNCLASSIFIED | 264687, 264688, 21906764, 35696052, 35695917, 35695855, 264600, 264601, 264602, 265009, 264605, 264508, 264905, 264690, 264906, 264762, 264628, 264766 |
| 1074 | 80105992 (2147, 2148) | Novel Protein sim. GBank gi 475332 pir J A9175 - Motch B protein - mouse (fragment) | Contains protein domain (PF00008) - EGF-like domain | synthase | 264909 |
| 1075 | 81850293 (2149, 2150) | Novel Protein sim. GBank gi 3893109 emb CAA76940 - (Y17920) CALO protein [Drosophila melanogaster] | | UNCLASSIFIED | 56994075, 22278998, 264594, 264757, 264596, 265018, 265019, 264681, 264369, 264688, 265020, 18108364, 18108374 |
| 1076 | 80477264 (2151, 2152) | Novel Protein sim. GBank gi 1176203 sp P46442 YHCM_ECOLI - HYPOTHETICAL 43.1 KD PROTEIN IN RPLM-HHOA INTERGENIC REGION (F375) | | ATPase-associated | 264769 |
| 1077 | 79831334 (2153, 2154) | Novel Protein sim. GBank gi 4033487 sp Q44472 TUD4_AGRVI - PUTATIVE HYDROXYPYRUVATE REDUCTASE | | kinase | 264905 |
| 1078 | 20288874 (2155, 2156) | | | | |
| 1079 | 80494518 (2157, 2158) | Novel Protein sim. GBank gi 3413828 emb CAA20296 - (AL031260) hypothetical protein SC9A10.09 [Streptomyces coelicolor] | | UNCLASSIFIED | 264600 |
| 1080 | 11767188 (2159, 2160) | | | UNCLASSIFIED | 18108394, 264769, 264634, 264636 |
| 1081 | 94747080 (2161, 2162) | | | UNCLASSIFIED | 264684 |
| 1082 | 81490656 (2163, 2164) | | | UNCLASSIFIED | 83373044, 265019, 22279002, 264482, 18108351, 264682, 264908, 264693, 264487, 264758, 264768, 264769, 21906767, 264511, 264910, 264634, 264635, 264905, 264636, 264906, 264637, 264907, 264908, 264764, 264638, 20281099, 264766, 264595 |

| | | | | | |
|------|-----------------------|--|--|---------------|---|
| 1083 | 87446717 (2165, 2166) | Novel Protein sim. GBank gi 1722945 sp Q10523 Y01N_MYCTU - HYPOTHETICAL 44.6 KD PROTEIN CY427.23 | | UNCLASSIFIED | 60424179, 264905, 264906, 264510, 60432229, 264759, 87168474, 264605, 264769, 264689, 18108364, 18108376, 35695855, 264636 |
| 1084 | 37799306 (2167, 2168) | Novel Protein sim. GBank gi 18384 sp P32057 WCAI_ECOLI - PUTATIVE COLANIC ACID BIOSYNTHESIS GLYCOSYL TRANSFERASE WCAI | | UNCLASSIFIED | 264769 |
| 1085 | 86475368 (2169, 2170) | Novel Protein sim. GBank gi 1899190 (U90204) - heat shock protein 60 [Tsukamurella tyrosinosolvens] | Contains protein domain (PF00118) - TCP-1/cpn80 chaperonin family | eph | 60432229, 264687 |
| 1086 | 79608269 (2171, 2172) | Novel Protein sim. GBank gi 1172956 sp P46178 RL14_ACYKS - 50S RIBOSOMAL PROTEIN L14 | Contains protein domain (PF00238) - Ribosomal protein L14 | ribosomalprol | 264486 |
| 1087 | 79603979 (2173, 2174) | Novel Protein sim. GBank gi 4160198 emb CAA15431 - (AL008583) dJ327J16.3 (novel CHROMObox family protein) [Homo sapiens] | Contains protein domain (PF00385) - 'chromo' (CHROMatin Organization Modifier) domain | helicase | 29331827, 264693 |
| 1088 | 79854983 (2175, 2176) | Novel Protein sim. GBank gi 2983155 (AE000693) - phosphoglucomutase/phosphomannomutase [Aquifex aerolicus] | | UNCLASSIFIED | 264905, 264601, 18108387 |
| 1089 | 80216800 (2177, 2178) | Novel Protein sim. GBank gi 4981768 gb AAD36290.1 AE00177 - (AE001776) NADH dehydrogenase, 30 kDa subunit, putative [Thermotoga maritima] | Contains protein domain (PF00329) - Respiratory-chain NADH dehydrogenase, 30 kDa subunit | UNCLASSIFIED | 264488, 264511, 265011, 264682, 264768, 264689, 21906764, 35695917, 265020, 32833986, 18108370, 35695855 |
| 1090 | 11083825 (2179, 2180) | Novel Protein sim. GBank gi 4007680 emb CAA22366 - (AL034443) putative oxidoreductase [Streptomyces coelicolor] | | | 264604 |
| 1091 | 12917471 (2181, 2182) | Novel Protein sim. GBank gi 2495562 sp P77239 YLCD_ECOLI - HYPOTHETICAL 44.3 KD PROTEIN IN NFRB-PHEP INTERGENIC REGION PRECURSOR | | UNCLASSIFIED | 264637 |
| 1092 | 80252286 (2183, 2184) | | | | 264566 |
| 1093 | 80496304 (2185, 2186) | Novel Protein sim. GBank gi 2960098 emb CAA17996.1 - (AL022121) nh [Mycobacterium tuberculosis] | Contains protein domain (PF00730) - Endonuclease III | nuclease | 264769, 35695917, 35695855, 264600, 264602, 264603, 264605, 18108351 |
| 1094 | 10880972 (2187, 2188) | Novel Protein sim. GBank gi 1001642 dbj BAA10373 - (D64002) dGTP triphosphohydrolase [Synecocystis sp.] | | UNCLASSIFIED | 264686 |
| 1095 | 87457250 (2189, 2190) | Novel Protein sim. GBank gi 4585587 emb CAB40855.1 - (AL049628) putative adenine glycosylase [Streptomyces coelicolor] | Contains protein domain (PF00455) - Bacterial regulatory proteins, deoR family | nuclease | 264906, 265007, 264595, 264600, 264602, 264603, 264604, 264605, 264762, 264768, 264769, 264636, 264558, 18108387, 60432113, 264482, 264486 |
| 1096 | 80025977 (2191, 2192) | Novel Protein sim. GBank gi 115001 sp P19206 BIOB_BACSH - BIOTIN SYNTHASE (BIOTIN SYNTHETASE) | | synthase | 264600, 264602, 264603, 264604, 264605, 35695917, 264692, 264631 |
| 1097 | 79239560 (2193, 2194) | | | UNCLASSIFIED | 265019 |
| 1098 | 79186424 (2195, 2196) | Novel Protein sim. GBank gi 114135 sp P08205 JARGA_ECOLI - AMINO-ACID ACETYLTRANSFERASE (N-ACETYLGLUTAMATE SYNTHASE) (AGS) | | synthase | 264687 |

| | | | | | | |
|------|-----------------------|---|--|---------------|--|--|
| 1099 | 39523638 (2197, 2198) | Novel Protein sim. GBank gi 3915144 sp O3017 TRMD_MYCLE - TRNA (GUANINE- N1)-METHYLTRANSFERASE (MTG- METHYLTRANSFERASE) (TRNA [GM37] METHYLTRANSFERASE) | | UNCLASSIFIED | 264603 | |
| 1100 | 85736571 (2199, 2200) | Novel Protein sim. GBank gi 3023255 sp O64420 ACOD_MESAU - ACYL-COA DESATURASE (STEAROYL-COA DESATURASE) (FATTY ACID DESATURASE) (DELTA(9)-DESATURASE) | | desaturase | 264259, 264636 | |
| 1101 | 80491857 (2201, 2202) | Novel Protein sim. GBank gi 1174735 sp P43012 TOP1_HAEIN - DNA TOPOISOMERASE I (OMEGA-PROTEIN) (RELAXING ENZYME) (UNTWISTING ENZYME) (SWIVELASE) | Contains protein domain (PF01396) - Topoisomerase DNA binding C4 zinc finger | isomerase | 264769 | |
| 1102 | 78777614 (2203, 2204) | | | UNCLASSIFIED | 264910, 264909 | |
| 1103 | 81897259 (2205, 2206) | Novel Protein sim. GBank gi 1906596 (U81788) - kinesin-73 [Drosophila melanogaster] | | struct | 264757 | |
| 1104 | 95003115 (2207, 2208) | Novel Protein sim. GBank gi 2935448 (AF048976) - synaptic ras GTPase-activating protein p135 SynGAP [Rattus norvegicus] | | UNCLASSIFIED | 29331822, 21906754, 264555, 264556, 264558, 22279002 | |
| 1105 | 80255121 (2209, 2210) | | | | 264566 | |
| 1106 | 79314110 (2211, 2212) | | | UNCLASSIFIED | 264555, 264369 | |
| 1107 | 80470019 (2213, 2214) | | | | 264908, 264769 | |
| 1108 | 80440618 (2215, 2216) | Novel Protein sim. GBank gi 117342 sp P43416 SECY_STRSC - PREPROTEIN TRANSLOCASE SECY SUBUNIT | | transport | 264907, 264510, 264511, 264600, 264602, 264605, 264768, 264769 | |
| 1109 | 80064615 (2217, 2218) | Novel Protein sim. GBank gi 2995310 emb CAA18338 - (AL022286) putative ATP-dependent helicase (Streptomyces coelicolor) | | helicase | 264602, 264605, 264636 | |
| 1110 | 80503554 (2219, 2220) | | | | | |
| 1111 | 80071744 (2221, 2222) | Novel Protein sim. GBank gi 2622039 (AE000868) - type I restriction modification system, subunit S [Methanobacterium thermoautotrophicum] | | | 264908, 264593, 265010, 264601, 264603, 264604, 264605, 264682, 264769, 264693, 264636 | |
| 1112 | 95010088 (2223, 2224) | | | | 18108370, 264557 | |
| 1113 | 82456352 (2225, 2226) | Novel Protein sim. GBank gi 3218376 emb CAA19628 - (AL023862) putative oxidoreductase (Streptomyces coelicolor) | | UNCLASSIFIED | 264908 264600, 264602, 264604, 264605, 264762, 264769, 264565 | |
| 1114 | 14998014 (2227, 2228) | Novel Protein sim. GBank gi 1083428 pir J54876 - NAD(P)+ transhydrogenase (B-specific) (EC 1.6.1.1) precursor - mouse | | dehydrogenase | 264636 | |
| 1115 | 11765583 (2229, 2230) | | | | | |
| 1116 | 79841152 (2231, 2232) | | | UNCLASSIFIED | 264686 | |
| | | | | | 264908 | |

| | | | | |
|------|-----------------------|--|---|--|
| 1117 | 95305465 (2233, 2234) | Novel Protein sim. GBank gij3255865[embjCAA94089] - (270200) U5 snRNP-specific 200kD protein [Homo sapiens] | Contains protein domain (PF00270) - DEAD/DEAH box helicase | 18108392, 264488, 263994, 264489, 18108398, 56182575, 22278995, 22278996, 35696286, 56994075, 22278997, 22278998, 22278999, 264259, 29331822, 56182181, 29331824, 66714117, 29331825, 29331826, 60432289, 29331827, 29331828, 35696052, 33656970, 29146498, 264508, 264905, 264509, 264906, 264907, 264908, 66712502, 264909, 52644045, 56182435, 264510, 264511, 265006, 265007, 264512, 265008, 265009, 264910, 60170831, 284591, 264592, 264593, 60433356, 264594, 60433438, 264595, 55812038, 264596, 264758, 264759, 21906754, 33109954, 33657084, 265011, 87168559, 284600, 264601, 264602, 264603, 265017, 264604, 265018, 264605, 265019, 264760, 55811150, 264681, 264762, 18108351, 264448, 264682, 264764, 264683, 264288, 264369, 264684, 264685, 264766, 264767, 264686, 264687, 264768, 264769, 264688, 18108359, 264689, 21906765, 21906766, 21906767, 21906768, 21906769, 55811957, 29148784, 35695917, 265020, 265021, 265022, 60170815, 264690, 264691, 33657023, 264692, 264693, 65274620, 33657109, 33657182, 27486261, 27486262, 27486264, 33657349, 27486265, 35695763, 264691 |
| 1118 | 79563326 (2235, 2236) | | UNCLASSIFIED | 264907 |
| 1119 | 79542463 (2237, 2238) | | UNCLASSIFIED | 29331827, 265018, 265019, 264681, 265021, 60170615, 18108387 |
| 1120 | 79480463 (2239, 2240) | Novel Protein sim. GBank gij5420387[embjCAB46679.1] - (AJ243459) proteophosphoglycan [Leishmania major] | collagen | |
| 1121 | 79471716 (2241, 2242) | Novel Protein sim. GBank gij1644450 (U67864) - MEX-3 [Caenorhabditis elegans] | Contains protein domain (PF00013) - KH domain | 264683, 264632, 18108388 |
| 1122 | 79456246 (2243, 2244) | | UNCLASSIFIED | 264639, 264563 |
| 1123 | 79637119 (2245, 2246) | Novel Protein sim. GBank gij98800[pri]S17768 - 3-dehydroquinase synthase (EC 4.6.1.3) - Mycobacterium tuberculosis | synthase | 264693, 27486265 |
| 1124 | 79811596 (2247, 2248) | | UNCLASSIFIED | 264909 |
| 1125 | 79757861 (2249, 2250) | | UNCLASSIFIED | 264910 |
| 1126 | 79758914 (2251, 2252) | Novel Protein sim. GBank gij138154[sp]P03643VGG_BPPHX - MAJOR SPIKE PROTEIN (G PROTEIN) (GPG) | eph | 264905, 264909, 264910 |
| 1127 | 11800930 (2253, 2254) | | UNCLASSIFIED | 264682 |
| 1128 | 8364885 (2255, 2256) | Novel Protein sim. GBank gij5002704[embjCAB44358.1] - (AJ242630) DNA polymerase I [Methylobacterium sp. DMA] | Contains protein domain (PF00476) - DNA polymerase family A | 264511 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 1129 | 80422480 (2257, 2258) | Novel Protein sim. GBank gij5689485[dbj]GAA83026.1] - (AB028997) KIAA1074 protein [Homo sapiens] | Contains protein domain (PF00170) - bZIP transcription factor | UNCLASSIFIED | 265011, 264766 |
| 1130 | 79420151 (2259, 2260) | Novel Protein sim. GBank gij4981328[gb]AAD35881.1[AE00174] - (AE001747) bioY protein [Thermotoga maritima] | | UNCLASSIFIED | 264595 |
| 1131 | 80055391 (2261, 2262) | Novel Protein sim. GBank gij4981328[gb]AAD35881.1[AE00174] - (AE001747) bioY protein [Thermotoga maritima] | | UNCLASSIFIED | 35696286, 22278998, 29331828, 264603, 264605, 264559 |
| 1132 | 82062248 (2263, 2264) | Novel Protein sim. GBank gij1841552 (U89336) - unknown [Homo sapiens] | | UNCLASSIFIED | 22278996, 264906, 265009, 264600, 264602, 264604, 264605, 264760, 32833986, 18108374 |
| 1133 | 17290437 (2265, 2266) | | | UNCLASSIFIED | 265018 |
| 1134 | 80235376 (2267, 2268) | | | UNCLASSIFIED | 264512, 264534 |
| 1135 | 80029393 (2269, 2270) | Novel Protein sim. GBank gij4539171[emb]CAB39700.1] - (AL049485) conserved hypothetical protein [Streptomyces coelicolor] | | UNCLASSIFIED | 264508, 264600, 264602, 264603, 18108376 |
| 1136 | 79842052 (2271, 2272) | Novel Protein sim. GBank gij4982454[gb]AAD36931.1[AE00182] - (AE001823) ATP-dependent protease LA, putative [Thermotoga maritima] | | UNCLASSIFIED | 264906, 264908 |
| 1137 | 90931557 (2273, 2274) | Novel Protein sim. GBank gij4972746[gb]AAD34768.1] - (AF132180) unknown [Drosophila melanogaster] | Contains protein domain (PF00515) - collagen TPR Domain | collagen | 22278998, 22278999, 35696052, 264907, 265009, 60433356, 264596, 265010, 264448, 264682, 264767, 264689, 265020, 264692, 55811576, 35695855, 264631, 264632, 22279002 |
| 1138 | 79841163 (2275, 2276) | Novel Protein sim. GBank gij731607[sp]P38739[HC8_YEAST - HYPOTHETICAL 63.8 KD PROTEIN IN GUT1-RIM1 INTERGENIC REGION PRECURSOR | | struct | 264908 |
| 1139 | 79633561 (2277, 2278) | Novel Protein sim. GBank gij3650031 (AC005396) - putative proline-rich cell wall protein [Arabidopsis thaliana] | | UNCLASSIFIED | 264693 |
| 1140 | 39480358 (2279, 2280) | | | UNCLASSIFIED | 264593 |
| 1141 | 79636019 (2281, 2282) | | | UNCLASSIFIED | 265019, 264693 |
| 1142 | 19635848 (2283, 2284) | | | UNCLASSIFIED | 264631 |
| 1143 | 87762158 (2285, 2286) | Novel Protein sim. GBank gij3928000[emb]CAA05880] - (AJ003125) procollagen I N-proteinase [Homo sapiens] | Contains protein domain (PF000090) - Thrombospondin type 1 domain | oxidase | 56182575, 264908, 264600, 264632, 87168518 |
| 1144 | 80088988 (2287, 2288) | | | UNCLASSIFIED | 264635, 264636, 264907, 264593, 264908, 264566, 264909 |
| 1145 | 14610262 (2289, 2290) | | | UNCLASSIFIED | 264112 |
| 1146 | 82062092 (2291, 2292) | | | UNCLASSIFIED | 264769, 264689, 35696286, 264760, 264905, 264486, 264559 |
| 1147 | 80071761 (2293, 2294) | | | | 264557 |
| 1148 | 80048433 (2295, 2296) | Novel Protein sim. GBank gij2499003[sp]P76422[THID_ECOLI - PHOSPHOMETHYLPIRIMIDINE KINASE (HMP- PHOSPHATE KINASE) (HMP-P KINASE) | | kinase | 264591 |
| 1149 | 11607438 (2297, 2298) | Novel Protein sim. GBank gij2896734[emb]CAA17213.1] - (AL021897) hypothetical protein Rv1097c [Mycobacterium tuberculosis] | | | 264591 |

| | | | | | |
|------|-----------------------|---|--|-------------------|--|
| 1150 | 81325074 (2299, 2300) | Novel Protein sim. GBank gij2895095 (AF011337) - putative E1-E2 ATPase [Mus musculus] | | ATPase associated | 264488, 35696286, 264907, 264908, 264909, 264910, 264593, 264596, 264758, 264764, 264766, 264768, 264693, 264628, 60431850, 264564, 264566, 264567, 264595 |
| 1151 | 80070874 (2301, 2302) | Novel Protein sim. GBank gij4324655[gib AAD16978] - (AF108191) DNA polymerase III alpha subunit [Streptomyces coelicolor] | | polymerase | 264488, 22278998, 264905, 264629, 264486 |
| 1152 | 80235547 (2303, 2304) | Novel Protein sim. GBank gij3874275[emb CAB07311.1] - (Z92825) predicted using Genefinder; Similarity to Yeast low affinity glucose transporter HXT4 (PS:32467); cDNA EST EMBL:C12555 comes from this gene; cDNA EST yk404c10.3 comes from this gene; cDNA EST yk404c10.5 comes from thi... | | glycoprotein | |
| 1153 | 80027783 (2305, 2306) | Novel Protein sim. GBank gij4240315[jdb BAA74936.1] - (AB020720) KIAA0913 protein [Homo sapiens] | | UNCLASSIFIED | 264910, 264555, 264557 |
| 1154 | 83002995 (2307, 2308) | Novel Protein sim. GBank gij4240315[jdb BAA74936.1] - (AB020720) KIAA0913 protein [Homo sapiens] | | UNCLASSIFIED | 265008 |
| 1155 | 79411098 (2309, 2310) | Novel Protein sim. GBank gij586655[sp P37617 ATZN_ECOLI - ZINC-TRANSPORTING ATPASE (ZN(II)-TRANSLLOCATING P-TYPE ATPASE) | Contains protein domain (PF00122) - E1-E2 ATPase | UNCLASSIFIED | 264690, 264636 |
| 1156 | 57147843 (2311, 2312) | Novel Protein sim. GBank gij418480[sp P32139 YIHR_ECOLI - HYPOTHETICAL 34.0 KD PROTEIN IN GLNA-RBN INTERGENIC REGION | | transport | 264603 |
| 1157 | 95267711 (2313, 2314) | Novel Protein sim. GBank gij2496481[sp Q50724 Y09S_MYCTU - HYPOTHETICAL 87.3 KD PROTEIN CY78.27C | | UNCLASSIFIED | 264906, 264907, 264758, 264766, 264769, 264689, 264688, 264638, 264566 |
| 1158 | 82454917 (2315, 2316) | Novel Protein sim. GBank gij2496481[sp Q50724 Y09S_MYCTU - HYPOTHETICAL 87.3 KD PROTEIN CY78.27C | | UNCLASSIFIED | 264906, 264762, 264687, 264769, 264689, 18108374, 35695855 |
| 1159 | 79186451 (2317, 2318) | Novel Protein sim. GBank gij1136405[jdb BAA11490] - (D79995) similar to pig tubulin-tyrosine ligase. [Homo sapiens] | | | 264687 |
| 1160 | 91229883 (2319, 2320) | Novel Protein sim. GBank gij1136405[jdb BAA11490] - (D79995) similar to pig tubulin-tyrosine ligase. [Homo sapiens] | | | 29331822, 29331824, 66714117, 29331826, 60433356, 265018, 265019, 83373044, 18108385, 22279000, 22279002, 264563 |
| 1161 | 7417143 (2321, 2322) | Novel Protein sim. GBank gij2443342[jdb BAA22380] - (D88764) alpha 2 type I collagen [Rana catesbeiana] | | UNCLASSIFIED | 264369 |
| 1162 | 79635357 (2323, 2324) | Novel Protein sim. GBank gij2443342[jdb BAA22380] - (D88764) alpha 2 type I collagen [Rana catesbeiana] | | UNCLASSIFIED | 264693 |
| 1163 | 79563186 (2325, 2326) | Novel Protein sim. GBank gij4503375[jdb NP_001376.1 pDPYS - dihydropyrimidinase | | | 29331827, 264906 |
| 1164 | 79650829 (2327, 2328) | Novel Protein sim. GBank gij5052554[jdb AAD38607.1 AF145632] - (AF145632) BcDNA.GH06032 [Drosophila melanogaster] | | transport | 18108398, 29331827, 29331828, 29146498, 29146499, 18108354, 21906788, 29148627, 21906789, 264693, 18108382, 18108385 |
| 1165 | 80491888 (2329, 2330) | Novel Protein sim. GBank gij4589476[jdb BAA76766.1] - (AB023139) KIAA0922 protein [Homo sapiens] | | UNCLASSIFIED | 264602, 264605, 264769, 18108370, 18108374, 264565 |
| 1166 | 88096456 (2331, 2332) | Novel Protein sim. GBank gij4589476[jdb BAA76766.1] - (AB023139) KIAA0922 protein [Homo sapiens] | | | 264488, 35696286, 22278999, 264259, 66714117, 60432289, 35696052, 264905, 56182435, 265006, 60433438, 264759, 21906754, 33109954, 265017, 265019, 264448, 264288, 264766, 264685, 35696423, 35695855, 264558, 18108385, 60432113 |

| | | | | | |
|------|-----------------------|---|--|---|--|
| 1167 | 79963862 (2333, 2334) | Novel Protein sim. GBank gij2580433[dbj BAA23138] - (D76414) ppGpp hydrolase [Staphylococcus aureus] | | kinase | 264488 |
| 1168 | 88094678 (2335, 2336) | | | UNCLASSIFIED | 264259, 29331827, 56182435, 60433438, 265019, 33657023, 35695855, 264566 |
| 1169 | 11805403 (2337, 2338) | | | UNCLASSIFIED | 264681 |
| 1170 | 21632244 (2339, 2340) | | | UNCLASSIFIED | 264602 |
| 1171 | 20434582 (2341, 2342) | Novel Protein sim. GBank gij2727914 (AF029249) - procollagen D [Mytilus edulis] | | UNCLASSIFIED | 264556 |
| 1172 | 79610113 (2343, 2344) | Novel Protein sim. GBank gij4757846[ref NP_004317.1 pBCL9 - B-cell CLL/lymphoma 9] | | UNCLASSIFIED | 55810764, 35696052, 264634, 264486 |
| 1173 | 80235713 (2345, 2346) | Novel Protein sim. GBank gij2564053[dbj BAA22946] - (AB007832) Bm trachealless [Bombyx mori] | | | 264508, 264906, 264907, 264909, 264591, 264632, 264638, 264639 |
| 1174 | 20233077 (2347, 2348) | Novel Protein sim. GBank gij2911027[emb CAA17520] - (AL021958) mmsA [Mycobacterium tuberculosis] | | dehydrogenase | 264600 |
| 1175 | 20711847 (2349, 2350) | Novel Protein sim. GBank gij118333[sp P23234 DCIP_ENTCL - INDOL-3-PYRUVATE DECARBOXYLASE (INDOLEPYRUVATE DECARBOXYLASE)] | | Contains protein domain (PF00205) - Thiamine pyrophosphate enzymes | 264601 |
| 1176 | 80252845 (2351, 2352) | Novel Protein sim. GBank gij1144520 (U34956) - phosphoribosylformylglycinamide synthase [Mycobacterium tuberculosis] | | Contains protein domain (PF00586) - AIR synthase related protein | 264509, 264905, 264593, 264602, 264605 |
| 1177 | 80064647 (2353, 2354) | Novel Protein sim. GBank gij119791[sp P28643 FABG_CUPLA - 3-OXOACYL-ACYL-CARRIER PROTEIN] REDUCTASE PRECURSOR (3-KETOACYL-ACYL CARRIER PROTEIN REDUCTASE) | | Contains protein domain (PF00106) - short chain dehydrogenase | 264605 |
| 1178 | 94128641 (2355, 2356) | Novel Protein sim. GBank gij15031697[ref NP_005594.1 PFIC1 - familial intrahepatic cholestasis 1, (progressive, Byler disease and benign recurrent)] | | Contains protein domain (PF00122) - ATPase associated E1-E2 ATPase | 65274572, 18108398, 22278998, 22278999, 29331826, 264508, 264908, 264828, 33657402, 33109954, 264769, 21906765, 21906766, 21906768, 55811957, 33657023, 264629, 55811576, 35696423, 264636, 264556, 56182323, 60432113, 22279000, 22279002 |
| 1179 | 80055575 (2357, 2358) | Novel Protein sim. GBank gij2960090[emb CAA17888.1] - (AL022121) dppA [Mycobacterium tuberculosis] | | transport | 264603 |
| 1180 | 11794446 (2359, 2360) | Novel Protein sim. GBank gij2558614[emb CAA04787] - (A001493) dehydroquinase dehydratase [Streptomyces coelicolor] | | Contains protein domain (PF00496) - Bacterial extracellular solute-binding proteins, family 5 | 264638 |
| 1181 | 17946362 (2361, 2362) | | | Contains protein domain (PF01220) - Dehydroquinase class II | |
| 1182 | 81494264 (2363, 2364) | Novel Protein sim. GBank gij5420387[emb CAB46679.1] - (A243459) proteophosphoglycan [Leishmania major] | | UNCLASSIFIED | 265017 |
| 1183 | 79574044 (2365, 2366) | | | | 265007, 265009, 264564, 264909, 264693 |
| 1184 | 52559933 (2367, 2368) | Novel Protein sim. GBank gij4091877 (AF081331) - alpha galactosidase precursor [Saccharopolyspora erythraea] | | | 264689, 35696423, 264638, 18108385 |
| 1185 | 79491185 (2369, 2370) | Novel Protein sim. GBank gij2129478[pir J551939 - chitinase (EC 3.2.1.14) precursor - beet] | | UNCLASSIFIED | 264602 |
| | | | | glycoprotein | 263967 |

| | | | | | | |
|------|-----------------------|---|--|----------------|--|--|
| 1186 | 20224012 (2371, 2372) | | | UNCLASSIFIED | 264559 | |
| 1187 | 79248834 (2373, 2374) | | | UNCLASSIFIED | 29331825, 265017, 18108351 | |
| 1188 | 79831367 (2375, 2376) | Novel Protein sim. GBank gij2996039 (AF054525) - hypothetical protein [Synechococcus PCC7002] | | UNCLASSIFIED | 264905, 264906 | |
| 1189 | 79609367 (2377, 2378) | | | | 264692 | |
| 1190 | 78930589 (2379, 2380) | | | UNCLASSIFIED | 265018 | |
| 1191 | 80310105 (2381, 2382) | | | UNCLASSIFIED | 264600, 264605, 264764, 35695855, 264638, 264486 | |
| 1192 | 13521641 (2383, 2384) | | Contains protein domain (PF01581) - FMR1-related peptide family | | 264636 | |
| 1193 | 11103584 (2385, 2386) | | | UNCLASSIFIED | 263978 | |
| 1194 | 7883947 (2387, 2388) | Novel Protein sim. GBank gij854065fembj(CAA58337) - (X83413) U88 [Human herpesvirus 6] | | UNCLASSIFIED | 265007, 265008 | |
| 1195 | 20445442 (2389, 2390) | Novel Protein sim. GBank gij1790277 (AE000459) - putative oxidoreductase [Escherichia coli] | | UNCLASSIFIED | 264605 | |
| 1196 | 13000688 (2391, 2392) | | | | 264689 | |
| 1197 | 11392317 (2393, 2394) | Novel Protein sim. GBank gij2497360spjQ50715jIMDH_MYCTU - INOSINE-5'-MONOPHOSPHATE DEHYDROGENASE (IMP DEHYDROGENASE) (IMPDH) (IMPD) | Contains protein domain (PF00571) - CBS domain | | 284594 | |
| 1198 | 95290101 (2395, 2396) | Novel Protein sim. GBank gij1709525spjP4673P3K1_DICDI - PHOSPHATIDYLINOSITOL 3-KINASE 1 (PI3-KINASE) (PTDINS-3-KINASE) (PI3K) | | | 264603 | |
| 1199 | 81862011 (2397, 2398) | | | | 264259, 264757, 33109954, 21906768 | |
| 1200 | 9848880 (2399, 2400) | Novel Protein sim. GBank gij2499877spjP70645jBLMH_RAT - BLEOMYCIN HYDROLASE (BLM HYDROLASE) (BMH) | | UNCLASSIFIED | 264910 | |
| 1201 | 80503751 (2401, 2402) | | | calhepsin | 264765, 264769 | |
| 1202 | 80082633 (2403, 2404) | Novel Protein sim. GBank gij606342 (U18997) - ORF_0622; reading frame open far upstream of start; possible frameshift, linking to previous ORF [Escherichia coli] | | ribosomal prol | 264600, 264558 | |
| 1203 | 82125373 (2405, 2406) | | | UNCLASSIFIED | 264768, 264769, 35695917, 264910, 264760, 264906, 264907, 264629, 264908, 264909, 264766 | |
| 1204 | 80503916 (2407, 2408) | Novel Protein sim. GBank gij2500728spjQ59912jSECY_STRG8 - PREPROTEIN TRANSLOCASE SECY SUBUNIT | | | 264905, 264769, 264636 | |
| 1205 | 80053961 (2409, 2410) | | | UNCLASSIFIED | 264566 | |
| 1206 | 80241965 (2411, 2412) | | | UNCLASSIFIED | 264556, 264557, 264558 | |
| 1207 | 79841192 (2413, 2414) | | | | 29331824, 264909, 265021, 18108370 | |
| 1208 | 87755217 (2415, 2416) | Novel Protein sim. GBank gij2645560 (AF027954) - Bcl-2-related ovarian killer protein [Rattus norvegicus] | Contains protein domain (PF00452) - Apoptosis regulator proteins, Bcl-2 family | | 29331824, 29331825, 29331827, 265007, 264764, 264683, 264769, 264688, 264689 | |

| | | | | | |
|------|-----------------------|---|--|---------------|---|
| 1209 | 79185742 (2417, 2418) | Novel Protein sim. GBank gi 1175033 sp P44398 XYLA_HAEIN - XYLOSE ISOMERASE | Contains protein domain (PF00259) - Xylose isomerase | isomerase | 264587, 264688 |
| 1210 | 56426884 (2419, 2420) | | | UNCLASSIFIED | 264907, 264693 |
| 1211 | 94665655 (2421, 2422) | Novel Protein sim. GBank gi 421095 pir S30688 - hypothetical protein o246 - Escherichia coli | | transferase | 264591, 264592, 264595 |
| 1212 | 79167929 (2423, 2424) | Novel Protein sim. GBank gi 3880625 emb CAB07858 - (293785) predicted using GeneFinder; similar to RNA recognition motif (aka RRM, RBD, or RNP domain); cDNA EST EMBL: T01682 comes from this gene; cDNA EST EMBL: M75823 comes from this gene; cDNA EST EMBL: D27559 comes from this ge... | Contains protein domain (PF01412) - Putative GTP-ase activating protein for Arf | | 264689, 263967 |
| 1213 | 79859633 (2425, 2426) | Novel Protein sim. GBank gi 226292 prf 1505375A - vir gene [Bordetella pertussis] | | kinase | 264909 |
| 1214 | 10144306 (2427, 2428) | Novel Protein sim. GBank gi 5726285 gb AAD48396.1 AF12616 - (AF126162) HERV-H LTR associating protein 2 [Homo sapiens] | | UNCLASSIFIED | 264908 |
| 1215 | 80050106 (2429, 2430) | Novel Protein sim. GBank gi 2326739 emb CAB10953 - (Z98268) recN [Mycobacterium tuberculosis] | | UNCLASSIFIED | 265009, 264601, 264602, 264603, 33657109 |
| 1216 | 20438324 (2431, 2432) | Novel Protein sim. GBank gi 417329 sp P33038 MURA_ENTCL - UDP-N- ACETYLGLUCOSAMINE 1- CARBOXYVINYLTRANSFERASE (ENOYL-PYRUVATE TRANSFERASE) (UDP-N-ACETYLGLUCOSAMINE ENOLPYRUVYLTRANSFERASE) (EPT) | | transferase | 264604 |
| 1217 | 95011344 (2433, 2434) | | | | |
| 1218 | 11093680 (2435, 2436) | Novel Protein sim. GBank gi 1805460 dbj BAA09022 - (D50453) homologue of succinate semialdehyde dehydrogenase GabD of E. coli [Bacillus subtilis] | | UNCLASSIFIED | 264905, 264907, 264908, 264591, 264766, 264691, 264693, 264629, 264630, 264636, 264564 |
| 1219 | 91216252 (2437, 2438) | | | dehydrogenase | 264601 |
| 1220 | 91241524 (2439, 2440) | Novel Protein sim. GBank gi 4240315 dbj BAA74936.1 - (AB020720) KIAA0913 protein [Homo sapiens] | | oncogene | 56181686, 29331822, 60432289, 264601, 264692, 264629 |
| 1221 | 83045055 (2441, 2442) | Novel Protein sim. GBank gi 2143886 pir J52523 - nucleoporin p82 homolog - rat (fragment) | | | 52644507, 264905, 264909, 265008, 265019, 265020, 52644150, 33657023, 264693, 33657182, 35695763, 264634, 22279000, 22279002, 264482 |
| 1222 | 20711865 (2443, 2444) | Novel Protein sim. GBank gi 730805 sp P39663 SPHR_SYN7 - ALKALINE PHOSPHATASE SYNTHESIS TRANSCRIPTIONAL REGULATORY PROTEIN SPHR | Contains protein domain (PF00486) - Transcriptional regulatory protein, C terminal | UNCLASSIFIED | 264768, 265020, 264906 |
| 1223 | 11615647 (2445, 2446) | | | phosphatase | 264601 |
| 1224 | 80432845 (2447, 2448) | Novel Protein sim. GBank gi 1172627 sp P46546 PROB_CORGL - GLUTAMATE 5- KINASE (GAMMA-GLUTAMYL KINASE) (GK) | Contains protein domain (PF01472) - PUA domain | kinase | 264593 264593, 264600, 264601, 264603, 264605, 264768, 18108376, 264635, 18108387 |

| | | | | | |
|------|-----------------------|--|--|--------------|--|
| 1225 | 80434427 (2449, 2450) | Novel Protein sim. GBank gij2105050[embjCAB08836] - (Z95436) hypothetical protein RV3644c [Mycobacterium tuberculosis] | | | 264768 |
| 1226 | 80237518 (2451, 2452) | Novel Protein sim. GBank gij1706789[spP98133]FBN1_BOVIN - FIBRILLIN 1 PRECURSOR (MP340) | | polymerase | 264905, 264512, 264689 |
| 1227 | 79422138 (2453, 2454) | Novel Protein sim. GBank gij1706789[spP98133]FBN1_BOVIN - FIBRILLIN 1 PRECURSOR (MP340) | | UNCLASSIFIED | 264908, 264637, 264639 |
| 1228 | 79209027 (2455, 2456) | Novel Protein sim. GBank gij116230[spP28598]ICH60_BACSU - 60 KD CHAPERONIN (PROTEIN CPN60) (GROEL PROTEIN) | Contains protein domain (PF00873) - AcrB/AcrD/AcrF family | | 264605, 264634 |
| 1229 | 94329135 (2457, 2458) | Novel Protein sim. GBank gij116230[spP28598]ICH60_BACSU - 60 KD CHAPERONIN (PROTEIN CPN60) (GROEL PROTEIN) | Contains protein domain (PF00118) - TCP-1/cpn60 chaperonin family | UNCLASSIFIED | 87168474, 265011, 87168559, 264681, 264689, 264693, 65274620, 18108374 |
| 1230 | 80049357 (2459, 2460) | Novel Protein sim. GBank gij116230[spP28598]ICH60_BACSU - 60 KD CHAPERONIN (PROTEIN CPN60) (GROEL PROTEIN) | | eph | 264909, 264605, 18108388 |
| 1231 | 79843141 (2461, 2462) | Novel Protein sim. GBank gij116230[spP28598]ICH60_BACSU - 60 KD CHAPERONIN (PROTEIN CPN60) (GROEL PROTEIN) | | UNCLASSIFIED | 264908 |
| 1232 | 79853104 (2463, 2464) | Novel Protein sim. GBank gij116230[spP28598]ICH60_BACSU - 60 KD CHAPERONIN (PROTEIN CPN60) (GROEL PROTEIN) | | transport | 264909 |
| 1233 | 80255179 (2465, 2466) | Novel Protein sim. GBank gij116230[spP28598]ICH60_BACSU - 60 KD CHAPERONIN (PROTEIN CPN60) (GROEL PROTEIN) | | UNCLASSIFIED | 265017, 264564 |
| 1234 | 79242158 (2467, 2468) | Novel Protein sim. GBank gij116230[spP28598]ICH60_BACSU - 60 KD CHAPERONIN (PROTEIN CPN60) (GROEL PROTEIN) | Contains protein domain (PF00125) - histone Core histone H2A/H2B/H3/H4 | histone | 265008, 265010, 18108381 |
| 1235 | 79914423 (2469, 2470) | Novel Protein sim. GBank gij116230[spP28598]ICH60_BACSU - 60 KD CHAPERONIN (PROTEIN CPN60) (GROEL PROTEIN) | | | 264634, 264762 |
| 1236 | 81927147 (2471, 2472) | Novel Protein sim. GBank gij116230[spP28598]ICH60_BACSU - 60 KD CHAPERONIN (PROTEIN CPN60) (GROEL PROTEIN) | | UNCLASSIFIED | 265018, 56811150, 264565, 264757 |
| 1237 | 83371782 (2473, 2474) | Novel Protein sim. GBank gij116230[spP28598]ICH60_BACSU - 60 KD CHAPERONIN (PROTEIN CPN60) (GROEL PROTEIN) | | | 264758, 264601, 264766, 264687, 18108372, 264555, 264559 |
| 1238 | 87411577 (2475, 2476) | Novel Protein sim. GBank gij116230[spP28598]ICH60_BACSU - 60 KD CHAPERONIN (PROTEIN CPN60) (GROEL PROTEIN) | Contains protein domain (PF00560) - Leucine Rich Repeat | glycoprotein | 264259, 29331822, 29331824, 35696052, 264508, 264906, 52644045, 52646317, 264288, 264769, 264693, 264632, 264634, 264558, 87168518, 264563 |
| 1239 | 82197449 (2477, 2478) | Novel Protein sim. GBank gij116230[spP28598]ICH60_BACSU - 60 KD CHAPERONIN (PROTEIN CPN60) (GROEL PROTEIN) | | oncogene | 264509, 264511, 264759, 264760, 264764, 264557 |
| 1240 | 80497259 (2479, 2480) | Novel Protein sim. GBank gij116230[spP28598]ICH60_BACSU - 60 KD CHAPERONIN (PROTEIN CPN60) (GROEL PROTEIN) | | | 264769 |
| 1241 | 80020711 (2481, 2482) | Novel Protein sim. GBank gij116230[spP28598]ICH60_BACSU - 60 KD CHAPERONIN (PROTEIN CPN60) (GROEL PROTEIN) | Contains protein domain (PF00120) - Glutamine synthetase | UNCLASSIFIED | 264601, 264604, 264638 |
| 1242 | 79775890 (2483, 2484) | Novel Protein sim. GBank gij116230[spP28598]ICH60_BACSU - 60 KD CHAPERONIN (PROTEIN CPN60) (GROEL PROTEIN) | | | 264906, 264907, 264908, 264634 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 1243 | 79779458 (2485, 2486) | Novel Protein sim. GBank gi 3355671 emb CAA19971 - (AL031124) branched-chain amino acid aminotransferase [Streptomyces coelicolor] | | UNCLASSIFIED | 18108374, 35695917, 35695855, 265009, 264508, 264909 |
| 1244 | 10284821 (2487, 2488) | Novel Protein sim. GBank gi 2970646 (AF051945) - Xin [Mus musculus] | | UNCLASSIFIED | 264691 |
| 1245 | 80437103 (2489, 2490) | Novel Protein sim. GBank gi 4586338 dbj BAA76357.1 - (AB016787) cytochrome o ubiquinol oxidase B [Pseudomonas putida] | Contains protein domain (PF00115) - Cytochrome C and Quinol oxidase polypeptide 1 | oxidase | 264768 |
| 1246 | 80059321 (2491, 2492) | Novel Protein sim. GBank gi 3581849 emb CAA20805 - (AL031541) putative phenylalanyl-tRNA synthetase beta chain [Streptomyces coelicolor] | | UNCLASSIFIED | 264604, 264636, 264557, 264564 |
| 1247 | 80064831 (2493, 2494) | Novel Protein sim. GBank gi 2621684 (AE000842) - adhesion protein [Methanobacterium thermoautotrophicum] | | | 264758, 264605, 264639 |
| 1248 | 88070353 (2495, 2496) | Novel Protein sim. GBank gi 1352403 sp P09467 F16P_HUMAN - FRUCTOSE-1,6-BISPHOSPHATASE (D-FRUCTOSE-1,6-BISPHOSPHATE 1-PHOSPHOHYDROLASE) (FBPASE) | Contains protein domain (PF00316) - Fructose-1,6-bisphosphatase | UNCLASSIFIED | 18108392, 264258, 29331826, 264106, 264508, 264907, 264828, 265009, 60433356, 264757, 264758, 21906754, 265010, 265011, 265018, 265019, 264760, 18108351, 18108354, 265021, 18108376, 18108377, 264630, 18108385 |
| 1249 | 80056657 (2497, 2498) | Novel Protein sim. GBank gi 2791407 emb CAA16001 - (AL021184) hypothetical protein Rv1473 [Mycobacterium tuberculosis] | | transport | 264908, 265010, 264600, 264603, 264691, 18108376 |
| 1250 | 12694385 (2499, 2500) | Novel Protein sim. GBank gi 112785 sp P05100 3MG1_ECOLI - DNA-3-METHYLADENINE GLYCOSIDASE I (3-METHYLADENINE-DNA GLYCOSYLASE I, CONSTITUTIVE) (TAG I) | | UNCLASSIFIED | 264689 |
| 1251 | 79850448 (2501, 2502) | | | | 264909 |
| 1252 | 79458087 (2503, 2504) | | | UNCLASSIFIED | 264683, 263976 |
| 1253 | 80050121 (2505, 2506) | Novel Protein sim. GBank gi 5670176 gb AAD46616.1 AF16131 - (AF161317) NRAMP manganese transport protein MnaA [Salmonella typhimurium] | | glycoprotein | 264600, 264603, 18108376 |
| 1254 | 87716767 (2507, 2508) | Novel Protein sim. GBank gi 103160 pir S22126 - finger protein unkempt - fruit fly (Drosophila melanogaster) | | UNCLASSIFIED | 35696286, 264910, 264764, 264688, 21906767, 55811957, 264692, 264556, 264639 |
| 1255 | 79169728 (2509, 2510) | | | | 264636 |
| 1256 | 87889508 (2511, 2512) | Novel Protein sim. GBank gi 2985353 emb CAA04608.1 - (AJ001206) pep2 [Streptomyces coelicolor] | | UNCLASSIFIED | 60432289, 264600, 264605, 264764, 264687, 264769, 264689, 27486265, 18108374, 18108376 |
| 1257 | 80201435 (2513, 2514) | Novel Protein sim. GBank gi 3193306 (AF069300) - contains similarity to Arabidopsis membrane-associated salt inducible-like protein (GB:AL021637) [Arabidopsis thaliana] | | UNCLASSIFIED | 264094, 265019 |
| 1258 | 20708150 (2515, 2516) | | | UNCLASSIFIED | 264602, 263978 |
| 1259 | 80186012 (2517, 2518) | | | UNCLASSIFIED | 264906, 264448, 264908 |
| 1260 | 80084606 (2519, 2520) | | | UNCLASSIFIED | 264634, 264639 |

| | | | | | |
|------|-----------------------|---|--|-------------------|--|
| 1261 | 87412802 (2521, 2522) | Novel Protein sim. GBank gij5689511dbjBAA83039.1] - (AB029010) KIAA1087 protein [Homo sapiens] | Contains protein domain (PF01699) - Sodium/calcium exchanger protein | cadherin | 29331824, 264906, 264909, 264768, 264769, 264689, 264693, 264639, 18108384, 264563 |
| 1262 | 13504589 (2523, 2524) | Novel Protein sim. GBank gij95100 pir S21334 - hypothetical protein 4 - Agrobacterium tumefaciens | | UNCLASSIFIED | 264634 |
| 1263 | 20710997 (2525, 2526) | Novel Protein sim. GBank gij3550958 (AF004840) - CDO [Rattus norvegicus] | | struct | 264602 |
| 1264 | 80083386 (2527, 2528) | | | | 264634 |
| 1265 | 80253578 (2529, 2530) | | | UNCLASSIFIED | 264563 |
| 1266 | 79914604 (2531, 2532) | | | UNCLASSIFIED | 264766, 264636, 264638, 264567 |
| 1267 | 80558918 (2533, 2534) | Novel Protein sim. GBank gij1085002 pir S55056 - mitochondrial carrier protein DIF-1 homolog - Caenorhabditis elegans | Contains protein domain (PF00153) - Mitochondrial carrier proteins | transport | 264259, 21908754, 264369 |
| 1268 | 88178473 (2535, 2536) | Novel Protein sim. GBank gij4886445 emb CAB43370.1] - (AL050269) hypothetical protein [Homo sapiens] | Contains protein domain (PF00583) - Acetyltransferase (GNAT) family | UNCLASSIFIED | 18108398, 22278995, 56994075, 60424269, 29331827, 264109, 264512, 265007, 265008, 265009, 264595, 33109954, 33657084, 87168559, 264600, 265018, 265019, 264369, 264688, 21906767, 265020, 52644150, 264691, 33657023, 33657349, 18108374, 264556, 18108385, 60432113, 22279002, 264486 |
| 1269 | 79821946 (2537, 2538) | Novel Protein sim. GBank gij3334791 emb CAA19939] - (AL031107) hypothetical protein SC5A7.10c [Streptomyces coelicolor] | | UNCLASSIFIED | 264508, 264905, 264908, 264687, 264693 |
| 1270 | 80031420 (2539, 2540) | Novel Protein sim. GBank gij2851634 sp Q50591 Y0D1_MYCTU - HYPOTHETICAL 50.0 KD PROTEIN CY1A11.01 | Contains protein domain (PF01574) - IMP dehydrogenase / GMP reductase N terminus | dehydrogenase | 265010, 264601 |
| 1271 | 79840499 (2541, 2542) | | | ATPase associated | 35696052, 264908 |
| 1272 | 79462878 (2543, 2544) | | | | 264686, 264689 |
| 1273 | 80220315 (2545, 2546) | Novel Protein sim. GBank gij1655665 emb CAB03731] - (Z81368) hypothetical protein Rv2395 [Mycobacterium tuberculosis] | | UNCLASSIFIED | 264509, 264639 |
| 1274 | 95010802 (2547, 2548) | | | UNCLASSIFIED | |
| 1275 | 20730763 (2549, 2550) | Novel Protein sim. GBank gij123726 sp P10413 HTPG_ECOLI - HEAT SHOCK PROTEIN HTPG (HIGH TEMPERATURE PROTEIN G) (HEAT SHOCK PROTEIN C62.5) | Contains protein domain (PF00183) - Hsp90 protein | leph | 264905, 264908, 264909, 264769 |
| 1276 | 21148644 (2551, 2552) | Novel Protein sim. GBank gij2129478 pir S51939 - chitinase (EC 3.2.1.14) precursor - beet | | UNCLASSIFIED | 264602 |
| 1277 | 20438195 (2553, 2554) | | | | 264369 |
| 1278 | 11086365 (2555, 2556) | Novel Protein sim. GBank gij1175473 sp P44555 YAAJ_HAEIN - HYPOTHETICAL PROTEIN HI0183 | | UNCLASSIFIED | 264556 |
| 1279 | 21658756 (2557, 2558) | Novel Protein sim. GBank gij1929513 (U64318) - ATP synthase subunit beta [Moorella thermoacetica] | | UNCLASSIFIED | 264603 |
| 1280 | 79310959 (2559, 2560) | Novel Protein sim. GBank gij4938504 emb CAB43862.1] - (AL078465) putative protein [Arabidopsis thaliana] | | synthase | 264605 |
| | | | | struct | 263976 |

| | | | | | |
|------|-----------------------|--|---|------------------|--|
| 1281 | 94323988 (2561, 2562) | Novel Protein sim. GBank gij1136501 (U39546) - surface protein MCA-32 [Rattus norvegicus] | Contains protein domain (PF00047) - Immunoglobulin domain | UNCLASSIFIED | 29331825, 29331828, 264766, 83373044 |
| 1282 | 87537695 (2563, 2564) | Novel Protein sim. GBank gij3328190 (AF074266) - proto-oncogene AF4 [Mus musculus] | | UNCLASSIFIED | 265008 |
| 1283 | 20466305 (2565, 2566) | Novel Protein sim. GBank gij3261721[emb]CAB070571 - (Z92770) hypothetical protein Rv0153c [Mycobacterium tuberculosis] | | UNCLASSIFIED | 264605 |
| 1284 | 20636325 (2567, 2568) | Novel Protein sim. GBank gij3929022 (AF057696) - LspB [Haemophilus ducreyi] | | | 264604 |
| 1285 | 80427330 (2569, 2570) | Novel Protein sim. GBank gij417154[sp]P33126[HS82_ORYSA - HEAT SHOCK PROTEIN 82] | Contains protein domain (PF00183) - Hsp90 protein | eph | 264766, 264688, 263967 |
| 1286 | 20466254 (2571, 2572) | Novel Protein sim. GBank gij2078004[emb]CAB084511 - (Z95207) gorA [Mycobacterium tuberculosis] | | reductase | 264605, 264639 |
| 1287 | 80417530 (2573, 2574) | | | UNCLASSIFIED | 265011, 264602, 264766, 264687, 264769, 264689, 18108370, 264636, 18108385, 264553 |
| 1288 | 95338101 (2575, 2576) | Novel Protein sim. GBank gij5353510[gb]AAD42161.1[AF08891 - (AF088916) emilin precursor [Homo sapiens] | Contains protein domain (PF00386) - C1q domain | collagen | 35696052, 264107, 264508, 264509, 264905, 264906, 264907, 264908, 264909, 264510, 264511, 265007, 264512, 264910, 265009, 33657402, 264595, 264758, 265011, 265019, 264760, 18108351, 264681, 264764, 264288, 264685, 264766, 264687, 264768, 264769, 265020, 265021, 264534, 264692, 18108370, 264628, 18108374, 35696423, 264555, 264556, 264557, 264558, 18108385, 264564, 264566, 264567, 264486, 18108391, 264637 |
| 1289 | 11813647 (2577, 2578) | Novel Protein sim. GBank gij1169995[sp]P46023[GPCR_LYMST - G-PROTEIN COUPLED RECEPTOR GRL101 PRECURSOR] | Contains protein domain (PF00001) - 7 transmembrane receptor (rhodopsin family) | UNCLASSIFIED | 264563 |
| 1291 | 80470268 (2581, 2582) | Novel Protein sim. GBank gij2072674[emb]CAB083051 - (Z95120) rhlE [Mycobacterium tuberculosis] | Contains protein domain (PF00271) - Helicases conserved C-terminal domain | helicase | 265007, 265008, 264769 |
| 1292 | 94723316 (2583, 2584) | Novel Protein sim. GBank gij1835755 (U86338) - zinc finger protein Png-1 [Mus musculus] | Contains protein domain (PF01530) - Zinc finger, C2HC type | transcriptfactor | 264092, 264259, 29331822, 29331824, 264508, 264906, 264909, 264512, 265008, 265009, 264591, 265019, 264369, 264288, 264686, 264768, 264693, 18108374, 264632, 56182323, 264639, 83373044, 22279002, 264482, 264563 |
| 1293 | 80067536 (2585, 2586) | | | UNCLASSIFIED | 265006, 55812038, 264369, 264556 |
| 1294 | 82125908 (2587, 2588) | Novel Protein sim. GBank gij2129173[pir]JF64453 - oxaloacetate decarboxylase (EC 4.1.1.3) alpha subunit - Methanococcus jannaschii | | biotindep | 264602, 264605, 264760, 18108351, 264689, 33657023, 264559 |
| 1295 | 11686851 (2589, 2590) | Novel Protein sim. GBank gij5441778[emb]CAB46803.11 - (AL096811) putative alcohol dehydrogenase (zinc-binding) [Streptomyces coelicolor A3(2)] | | dehydrogenase | 264689 |

| | | | | | | |
|------|-----------------------|---|---|--|-------------------|---|
| 1296 | 11687804 (2591, 2592) | Novel Protein sim. GBank | | | UNCLASSIFIED | 264591, 264639 |
| 1297 | 79639300 (2593, 2594) | Novel Protein sim. GBank gi4982191 gb AAD3686.1 AE00180 - (AE001805) DNA- directed DNA polymerase I [Thermotoga maritima] | Contains protein domain (PF01367) - 5'-3' exonuclease | | polymerase | 264693 |
| 1298 | 94239506 (2595, 2596) | Novel Protein sim. GBank gi1943770 (U97191) - F53F10.1 gene product [Caenorhabditis elegans] | | | struct | 18108348, 265017 |
| 1299 | 80255378 (2597, 2598) | Novel Protein sim. GBank gi13445181 (AC005499) - R31665_2 [Homo sapiens] | | | | 264488, 264906, 264909, 22279002, 264566 |
| 1300 | 80064867 (2599, 2600) | Novel Protein sim. GBank gi14062973 dbj BAA36204.1 - (AB017138) alpha subunit of malonate decarboxylase [Pseudomonas putida] | Contains protein domain (PF01352) - KRAB box | | transcriptfactor | 264605 |
| 1301 | 17939614 (2601, 2602) | Novel Protein sim. GBank gi13445181 (AC005499) - R31665_2 [Homo sapiens] | | | UNCLASSIFIED | 264906 |
| 1302 | 95416198 (2603, 2604) | | | | | |
| 1303 | 9684121 (2605, 2606) | | | | | 85658542, 265020 |
| 1304 | 79377196 (2607, 2608) | | | | | 264908 |
| 1305 | 19905899 (2609, 2610) | | | | UNCLASSIFIED | 264508 |
| 1306 | 13069230 (2611, 2612) | | | | | 264566 |
| 1307 | 82201029 (2613, 2614) | Novel Protein sim. GBank gi13445181 (AC005499) - R31665_2 [Homo sapiens] | | | UNCLASSIFIED | 264636 |
| 1308 | 21426814 (2615, 2616) | Novel Protein sim. GBank gi1502421 (U59433) - 3-ketoacyl acyl carrier protein reductase [Bacillus subtilis] | Contains protein domain (PF00516) - Envelope glycoprotein GP120 | | UNCLASSIFIED | 264907, 264592, 264764 |
| 1309 | 79263011 (2617, 2618) | Novel Protein sim. GBank gi195819 pir S16298 - ferric enterobactin transport protein fepC - Escherichia coli | | | transport | 264555 |
| 1310 | 20466319 (2619, 2620) | Novel Protein sim. GBank gi1545922 emb CAB48893.1 - (AL096837) putative iron-sulfur protein [Streptomyces coelicolor A3(2)] | | | UNCLASSIFIED | 264906, 18108354 |
| 1311 | 87613142 (2621, 2622) | | | | | 264605 |
| 1312 | 88061720 (2623, 2624) | Novel Protein sim. GBank gi14455118 gb AAD21084 - (AF125158) zinc finger DNA binding protein 99 [Homo sapiens] | Contains protein domain (PF00086) - Zinc finger, C2H2 type | | | 35696286, 29331827, 264908, 265008, 264764, 264766, 264686, 21906767, 21906769, 35695917, 264691, 264693 22278995, 22278998, 22278999, 264905, 264908, 265011, 265017, 265019, 264687, 21906768, 265020, 265021, 33657023, 22279002, 264564 |
| 1313 | 91225459 (2625, 2626) | Novel Protein sim. GBank gi4929733 gb AAD34127.1 AF15189 - (AF151890) CGI-132 protein [Homo sapiens] | Contains protein domain (PF00886) - Ribosomal protein S16 | | ribosomalprot | 22278998, 22278999, 264259, 20281099, 29146498, 264508, 264908, 66712502, 60433356, 60433438, 265011, 265017, 264683, 264288, 21906765, 21906767, 29148627, 21906768, 35695917, 265021, 33657023, 33657109, 18108370, 18108377, 35695855, 60432113, 22279000, 264563, 18108390 |
| 1314 | 56926053 (2627, 2628) | | | | | 264693 |
| 1315 | 84357192 (2629, 2630) | Novel Protein sim. GBank gi12589223 (AF026565) - ring finger protein [Mus musculus] | Contains protein domain (PF00097) - Zinc finger, C3HC4 type (RING finger) | | interleukinrecept | 264691 |

| | | | | | |
|------|-----------------------|--|--|-------------------|--|
| 1316 | 95361609 (2631, 2632) | Novel Protein sim. GBank gi 5689407 dbj BAA82987.1 - (AB028958) KIAA1035 protein [Homo sapiens] | | kinase | 56182575, 56181686, 20281171, 29331822, 29331824, 60424269, 29331825, 35696052, 52644045, 264591, 60432229, 265018, 265019, 55811150, 56181562, 21906765, 21906767, 21906768, 35695917, 60170615, 33657023, 65274620, 33657109, 35695763, 35695855, 18108387, 87168518, 60432113, 22279002, 264564 |
| 1317 | 88055167 (2633, 2634) | Novel Protein sim. GBank gi 4836757 gb AAD30541.1 AF13491 - (AF134918) semaphorin subclass 4 member G [Mus musculus] | | UNCLASSIFIED | 264093, 264908, 264909, 264369, 264884 |
| 1318 | 95322893 (2635, 2636) | Novel Protein sim. GBank gi 4680204 gb AAD27567.1 AF11417 - (AF114171) hypothetical protein [Sorghum bicolor] | | UNCLASSIFIED | 18108392, 18108348, 265011, 265017, 18108359, 18108362, 56182323, 18108385, 22279000 |
| 1319 | 94238546 (2637, 2638) | | | | 264908, 264909, 265006, 265008, 264592, 265019, 264766, 56181562, 18108388, 264628, 264629, 18108377, 264636 |
| 1320 | 86603567 (2639, 2640) | Novel Protein sim. GBank gi 4240183 dbj BAA74870.1 - (AB020854) KIAA0847 protein [Homo sapiens] | | UNCLASSIFIED | 35696286, 55812038, 265018, 21906768, 265020, 263978, 22279002 |
| 1321 | 86676351 (2641, 2642) | Novel Protein sim. GBank gi 4886505 emb CAB43377.1 - (AL050276) hypothetical protein [Homo sapiens] | Contains protein domain (PF00651) - BTB/POZ domain | transcript factor | 60432049, 29331828, 264907, 264908, 264909, 264910, 55812038, 264601, 264762, 264764, 264766, 264768, 264769, 264628, 18108374, 264634, 264635, 18108385 |
| 1322 | 87755272 (2643, 2644) | Novel Protein sim. GBank gi 5262591 emb CAB45736.1 - (AL080143) hypothetical protein [Homo sapiens] | Contains protein domain (PF00096) - Zinc finger, C2H2 type | dna_ma_bind | 29331828, 264908, 265020, 33657023, 264693, 264404 |
| 1323 | 94845931 (2645, 2646) | Novel Protein sim. GBank gi 5459516 dbj BAA82407.1 - (AB029821) phosphatidylethanolamine N-methyltransferase [Homo sapiens] | | synthase | 65274572, 56994075, 264259, 29331822, 29331827, 264104, 56182435, 87168474, 18108351, 264288, 21906766, 21906767, 35695917, 265020, 264693, 65274791, 56182323, 18108387 |
| 1324 | 87737614 (2647, 2648) | Novel Protein sim. GBank gi 5031717 ref NP_005704.1 pGPBP - goodpasture antigen-binding protein | Contains protein domain (PF01852) - START domain | | 22278996, 22278998, 29331828, 264905, 264907, 29331830, 264908, 264510, 265008, 264595, 264759, 21906754, 265018, 264288, 264768, 264769, 21906768, 265022, 18108376, 264631, 264632, 264634, 264636, 264638, 264563, 264564, 264565, 264566 |
| 1325 | 94847471 (2649, 2650) | Novel Protein sim. GBank gi 3294501 U64857 - similar to the DPT/Kunitz family of inhibitors; most similar to tissue factor pathway inhibitor precursor [Caenorhabditis elegans] | Contains protein domain (PF00090) - Thrombospondin type 1 domain | protease | 35696286, 264905, 264906, 264907, 264908, 264909, 264910, 264593, 33657402, 264758, 85658542, 264760, 264768, 264769, 264691, 35696423 |
| 1326 | 67316289 (2651, 2652) | Novel Protein sim. GBank gi 1397275 U61947 - C06G3.8 gene product [Caenorhabditis elegans] | | UNCLASSIFIED | 264259, 66712502, 264682, 264683, 264635 |

| | | | | | |
|------|-----------------------|--|--|--------------|---|
| 1327 | 95322897 (2653, 2654) | Novel Protein sim. GBank gi 728832 sp P39189 ALU2_HUMAN - IIII ALU SUBFAMILY SB WARNING ENTRY IIII | Contains protein domain (PF00279) - Plant lipid transfer protein family | UNCLASSIFIED | 18108398, 22278996, 22278997, 22278999, 284091, 264259, 29331822, 29331824, 29331825, 29331826, 29331827, 29331828, 264105, 264905, 56182435, 264112, 265008, 265009, 21906754, 285010, 265011, 265017, 265019, 264681, 264448, 264764, 264684, 264288, 264685, 264768, 264688, 21906767, 21906769, 29148629, 265020, 264690, 264691, 264692, 264693, 263967, 33657109, 33657182, 27486262, 33657349, 18108370, 18108374, 55810764, 35695855, 264634, 56182323, 83373044, 87168518, 60432113, 22279000, 22279002, 264563, 264567, 264488, 22278997, 29331826, 264595, 18108351, 264766, 22279002, 264482, 264567 |
| 1328 | 87753493 (2655, 2656) | | | UNCLASSIFIED | |
| 1329 | 87755276 (2657, 2658) | Novel Protein sim. GBank gi 4678224 gb AAD28969.1 AC007135 - (AC007135) unknown protein [Arabidopsis thaliana] | | UNCLASSIFIED | 22278996, 29331827, 264684, 264692, 33657109 |
| 1330 | 87727737 (2659, 2660) | Novel Protein sim. GBank gi 437310 (L23504) - nodulin [Medicago truncatula] | | UNCLASSIFIED | 264259, 29331825, 264512, 265019, 265021, 264555, 264558, 56528486 |
| 1331 | 87376764 (2661, 2662) | Novel Protein sim. GBank gi 4589586 dbj BAA76815.1 - (AB023188) KIAA0971 protein [Homo sapiens] | | UNCLASSIFIED | 264259, 29331826, 29331827, 35696052, 29331828, 60170831, 264448, 264686, 21906765, 55811957, 265020, 33657023, 33657109, 263973, 55811576, 35696423, 35695855, 56182323 |
| 1332 | 94845937 (2663, 2664) | Novel Protein sim. GBank gi 5459516 dbj BAA82407.1 - (AB029821) phosphatidylethanolamine N-methyltransferase [Homo sapiens] | | synthase | 65274572, 22278996, 56994075, 22278999, 60432049, 264259, 29331822, 29331826, 60432289, 29331827, 35696052, 52644045, 56182435, 264510, 21906754, 87168559, 265018, 265019, 264448, 264288, 264369, 264686, 21906765, 21906766, 21906767, 21906768, 265020, 265021, 52644150, 33657023, 56182323, 18108387, 60432113, 22279002 |
| 1333 | 88098476 (2665, 2666) | Novel Protein sim. GBank gi 5689527 dbj BAA83047.1 - (AB029018) KIAA1095 protein [Homo sapiens] | | UNCLASSIFIED | 60432289, 66712502, 264591, 60433356, 60433438, 55812038, 265010, 264639, 56526486 |
| 1334 | 87592388 (2667, 2668) | Novel Protein sim. GBank gi 2662536 (AF036685) - Similar to protein-tyrosine phosphatase [Caenorhabditis elegans] | | phosphatase | 264905 |
| 1335 | 87644798 (2669, 2670) | Novel Protein sim. GBank gi 4240285 dbj BAA74921.1 - (AB020705) KIAA0898 protein [Homo sapiens] | Contains protein domain (PF00543) - B-box zinc finger. | UNCLASSIFIED | 22278998, 22278999, 29331827, 264509, 264511, 265007, 265008, 265009, 60433438, 21906754, 87168559, 265017, 264288, 21906765, 21906767, 21906768, 21906769, 265020, 33657109, 27486264, 18108374, 264556, 264638, 264557, 60170394, 264559, 18108385, 264563 |

| | | | | | | |
|------|-----------------------|--|---|--------------|--|---|
| 1336 | 87787890 (2671, 2672) | Novel Protein sim. GBank gi455445 sp P33485 VNUA_PrvKA - PROBABLE NUCLEAR ANTIGEN | | | | 264509, 264905, 264512, 264764, 264693, 264635, 264637 |
| 1337 | 94312042 (2673, 2674) | Novel Protein sim. GBank gi5689471 dbj BAA83019.1 - (AB028990) KIAA1067 protein [Homo sapiens] | | UNCLASSIFIED | | 56182575, 56994075, 22278998, 22278999, 264092, 264259, 60432289, 29331826, 264906, 264908, 264909, 264112, 265008, 265009, 60433356, 55812038, 33657084, 265011, 265017, 265018, 265019, 264682, 264448, 264683, 264369, 264688, 264689, 21906766, 21906769, 265020, 264691, 27486261, 20281069, 18108379, 55811576, 35695655, 56182323, 60432113, 22279002, 264567 |
| 1338 | 80366114 (2675, 2676) | | | UNCLASSIFIED | | 29331822, 265010, 264288, 264689, 18108370, 35695855 |
| 1339 | 80249231 (2677, 2678) | Novel Protein sim. GBank gi1176422 (U43194) - rhophilin [Mus musculus] | | UNCLASSIFIED | | 35695052, 264909, 264688, 264556, 264558 |
| 1340 | 88316311 (2679, 2680) | | | | | 264905, 264907, 87168559, 264764 |
| 1341 | 86101485 (2681, 2682) | | | | | 264681, 264685, 264686, 264692 |
| 1342 | 80089017 (2683, 2684) | Novel Protein sim. GBank gi5019564 emb CAB44507.1 - (AL035542) dJ994E9.5 (hs6M1-17 (novel 7 transmembrane receptor (rhodopsin family) (olfactory receptor like) protein)) [Homo sapiens] | Contains protein domain (PF00001) - Im7 7 transmembrane receptor (rhodopsin family) | | | 264629 |
| 1343 | 80082862 (2685, 2686) | Novel Protein sim. GBank gi4557543 ref NP_001384.1 pECM2 - extracellular matrix protein 2 | Contains protein domain (PF00560) - struct Leucine Rich Repeat | | | 264910, 264686, 264534 |
| 1344 | 20562559 (2687, 2688) | | | | | 263978 |
| 1345 | 91225546 (2689, 2690) | Novel Protein sim. GBank gi214410 pir I55210 - tricarboxylate carrier - rat (fragment) | | glycoprotein | | 264909, 60170394 |
| 1346 | 80255717 (2691, 2692) | Novel Protein sim. GBank gi3881052 emb CAA19523 - (AL023843) predicted using GeneFinder; similar to serine/threonine kinase; cDNA EST yk246a12.3 comes from this gene; cDNA EST yk358c10.5 comes from this gene; cDNA EST EMBL:M89047 comes from this gene; cDNA EST yk246a12.5 comes... | Contains protein domain (PF00069) - kinase Eukaryotic protein kinase domain | | | 22278998, 264907, 264681, 264685, 264689, 265020, 264693, 22278000, 22279002, 264566 |
| 1347 | 80417393 (2693, 2694) | Novel Protein sim. GBank gi4504379 ref NP_003658.1 pHG38 - orphan G protein- coupled receptor HG38 | Contains protein domain (PF00560) - Leucine Rich Repeat | glycoprotein | | 264806, 264908, 264909, 265006, 264910, 265011, 265017, 264764, 264766, 264767, 264769, 264631, 264634, 264638, 264567, 264486 |
| 1348 | 87352335 (2695, 2696) | Novel Protein sim. GBank gi3399720 dbj BAA32100 - (AB010999) peptidylarginine deiminase type IV [Rattus norvegicus] | | UNCLASSIFIED | | 264486, 264489, 264508, 264509, 264510, 264511, 264512, 264591, 264592, 264601, 264684, 264685, 264769, 264532, 264534, 264555, 264556, 264557, 264558, 22279002, 264486 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 1349 | 91225548 (2697, 2698) | Novel Protein sim. GBank gij2144101 pir 55210 - Itricarboxylate carrier - rat (fragment) | | UNCLASSIFIED | 52646842, 35696286, 22278996, 22278998, 22278999, 264259, 29331822, 29331824, 35696052, 264509, 264905, 264906, 264907, 264908, 264909, 264511, 265008, 264512, 264910, 60170831, 264591, 60433438, 264757, 21906754, 265017, 265018, 264605, 264760, 264762, 264288, 264766, 264889, 21906765, 21906766, 21906767, 21906768, 55811957, 35695917, 265020, 264534, 264691, 264692, 33657023, 264693, 33657349, 18108374, 18108376, 35696423, 60170394, 22279000, 22279002, 264583, 264584 |
| 1350 | 87093136 (2699, 2700) | | | UNCLASSIFIED | 52646842, 264259, 29331825, 264908, 264511, 264604, 264288, 21906769, 265020, 33657182, 33657349, 18108374, 35695855, 264555, 264558, 18108385, 22279002, 264486 |
| 1351 | 87361327 (2701, 2702) | Novel Protein sim. GBank gij4887239 gb AAD32246.1 - (AF084584) BAW protein [Fugu rubripes] | | UNCLASSIFIED | 264906, 264907, 264638 |
| 1352 | 80076386 (2703, 2704) | | | UNCLASSIFIED | 264693, 263981 |
| 1353 | 95345417 (2705, 2706) | Novel Protein sim. GBank gij2144101 pir 55210 - Itricarboxylate carrier - rat (fragment) | | UNCLASSIFIED | 35696286, 60424269, 264905, 264509, 264906, 264907, 264908, 264909, 264511, 264512, 264910, 264758, 264596, 55811386, 265011, 264605, 55811150, 264762, 264764, 264766, 52644229, 56181562, 35695917, 265022, 33657023, 264693, 35695763, 60431528, 264629, 263978, 35696423, 35695855, 264830, 264634, 264635, 264636, 264637, 264638, 264639, 18108385, 264583, 264564, 264566 |
| 1354 | 95350845 (2707, 2708) | Novel Protein sim. GBank gij4889108 gb AAD27763.1 AF07703 - (AF077030) hypothetical 43.2 kDa protein [Homo sapiens] | | UNCLASSIFIED | 22278995, 22278999, 29331826, 264906, 265008, 33657402, 21908754, 265011, 87168559, 264684, 264369, 264769, 264689, 21908765, 21906768, 52644150, 33657023, 264692, 264693, 18108374, 83373044, 87168518, 22279000 |
| 1355 | 88260186 (2709, 2710) | Novel Protein sim. GBank gij1469199 gb [BAA09487] - (D50928) The KIAA0138 gene product is novel. [Homo sapiens] | Contains protein domain (PF00076) - RNA recognition motif. (a.k.a. RRM, RBD, or RNP domain) | dna_ma_bind | 22278996, 22278997, 264259, 66714117, 264511, 21906754, 265010, 264769, 264689, 21906765, 21906768, 21906769, 264532, 27486262, 264829, 264636, 264556, 264638, 264639, 264482, 264484 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 1356 | 85313991 (2711, 2712) | Novel Protein sim. GBank gj1113865 (U40342) - ninein [Mus musculus] | | srcrd | 18108387, 22278955, 22278998, 22278998, 284094, 29331828, 284905, 285006, 265007, 265008, 265010, 265017, 265018, 265019, 284764, 18108354, 284689, 21906765, 265022, 18108364, 35696423, 83373044, 18108387 |
| 1357 | 88260268 (2713, 2714) | Novel Protein sim. GBank gj1897693[emb]CAA90330] - (Z50028) phosphatidylcholine transfer protein [Bos taurus] | Contains protein domain (PF01852) - START domain | | 284259, 29331822, 29331825, 264510, 87168559, 265018, 264448, 264288, 21906765, 21906766, 21906768, 265021, 264693, 18108376 |
| 1358 | 38719455 (2715, 2716) | Novel Protein sim. GBank gj1556219 (L36831) - transcription regulator [Mus musculus] | | | 264757 |
| 1359 | 87771843 (2717, 2718) | | | UNCLASSIFIED | 264907, 264909, 264510, 264511, 264512, 18108351, 264764, 284534, 33657023, 18108374, 264634, 284635, 264638, 264639, 18108385, 264488, 284587 |
| 1360 | 87738272 (2719, 2720) | Novel Protein sim. GBank gj12598282[emb]CAA75612] - (Y15417) acetate--CoA ligase [Coprinus cinereus] | | synthase | 60432289, 264605 |
| 1361 | 87593527 (2721, 2722) | Novel Protein sim. GBank gj15689443[db]BAA83005.1] - (AB028976) KIAA1053 protein [Homo sapiens] | Contains protein domain (PF00536) - SAM domain (Sterile alpha motif) | UNCLASSIFIED | 35696286, 22278997, 22278999, 264259, 29331826, 264508, 284509, 264905, 264907, 264908, 265007, 265009, 33109954, 21906754, 87168474, 265011, 264761, 264683, 264288, 264766, 264769, 264689, 21906768, 265020, 265021, 33657023, 55811576, 35696423, 264634, 60432113, 22279002, 264482, 264486 |
| 1362 | 95287961 (2723, 2724) | Novel Protein sim. GBank gj15688411[db]BAA82989.1] - (AB028960) KIAA1037 protein [Homo sapiens] | Contains protein domain (PF00400) - WD domain, G-beta repeat | - eph | 56182575, 56181686, 60432049, 264259, 29331822, 56182181, 29331827, 35696052, 29331828, 264905, 264906, 264908, 264595, 55812038, 85858542, 55811150, 264681, 264288, 264369, 56181562, 60431528, 55810764, 35696423, 60431850, 264558 |
| 1363 | 85758476 (2725, 2726) | Novel Protein sim. GBank gj1130494 (U35776) - ADP-ribosylation factor 1-directed GTPase activating protein [Rattus norvegicus] | Contains protein domain (PF01412) - Putative GTP-ase activating protein for Arf | UNCLASSIFIED | 264488, 29331826, 264907, 264687, 264689, 264693 |
| 1364 | 88179488 (2727, 2728) | | | | |
| 1365 | 83003108 (2728, 2730) | Novel Protein sim. GBank gj14589562[db]BAA76803.1] - (AB023176) KIAA0959 protein [Homo sapiens] | | oncogene | 60432289, 60433356, 60433438, 87168559, 264603, 18108351, 21906768, 35696423, 60432113 |
| 1366 | 87003262 (2731, 2732) | Novel Protein sim. GBank gj1084944[pir]S54495 - hypothetical protein YPR021c - yeast (Saccharomyces cerevisiae) | Contains protein domain (PF00153) - Mitochondrial carrier proteins | - transport | 264766 |

| | | | | | |
|------|-----------------------|---|---|-------------------|--|
| 1367 | 87721210 (2733, 2734) | Novel Protein sim. GBank gi 4884088 emb CAB3240.1 - (AL050019) hypothetical protein [Homo sapiens] | Contains protein domain (PF01342) - SAND domain | UNCLASSIFIED | 264488, 52646842, 52646365, 22278995, 56994075, 35696286, 22278996, 22278998, 22278999, 264259, 29331824, 66714117, 29331825, 60432289, 35696052, 264905, 264907, 264908, 264909, 264510, 265006, 265007, 264512, 264910, 265009, 60170831, 33657402, 55812038, 21906754, 265011, 87168559, 265017, 265019, 18108351, 264448, 264682, 264683, 264288, 264369, 264686, 264767, 264689, 21906765, 21906766, 21906768, 21906769, 55811957, 265020, 265021, 265022, 264534, 60170615, 264690, 264691, 18108362, 33657023, 33657109, 33657349, 264628, 18108370, 18108374, 18108376, 55811576, 35696423, 35695855, 264635, 264555, 264637, 264556, 52644332, 60170394, 264558, 18108381, 18108385, 56526486, 22279000, 264563, 264567 |
| 1368 | 94320078 (2735, 2736) | Novel Protein sim. GBank gi 464561 sp P35289 RB15_RAT RAS-RELATED PROTEIN RAB-15 | Contains protein domain (PF00071) - Ras family | oncogene | 264259, 29331822, 29331826, 60432289, 29331827, 35696052, 264508, 264905, 264906, 264908, 264909, 264510, 265007, 264910, 60433438, 264758, 85658542, 87168559, 264600, 264601, 264760, 264764, 264765, 264768, 52644229, 264689, 35695917, 265020, 265021, 264631, 264632, 264634, 264637, 52644332, 264558, 264639, 83373044, 264563, 264568, 264486, 264567, 265008, 60432229, 60433356, 33657084, 21906764, 21906769, 264555, 264638, 264559, 264567 |
| 1369 | 86634033 (2737, 2738) | Novel Protein sim. GBank gi 2062702 (U90550) - butyrophilin [Homo sapiens] | | UNCLASSIFIED | |
| 1370 | 85316910 (2739, 2740) | Novel Protein sim. GBank gi 5031823 ref NP_005823.1 pKCNM - potassium large conductance calcium-activated channel, subfamily M, beta member 2 | | potassium_channel | 22278996, 264259, 29331822, 29331824, 29331826, 29331827, 35696052, 264508, 264509, 264905, 264906, 264907, 264908, 264909, 264510, 264511, 264512, 264758, 265011, 265019, 264764, 264768, 264768, 21906767, 35695917, 18108362, 35696423, 264632, 264635, 264638, 264555, 264638, 264558, 264639, 18108385, 65274727, 264404, 264563, 264566, 264486 |
| 1371 | 95336512 (2741, 2742) | Novel Protein sim. GBank gi 5032203 ref NP_005714.1 TSPA - tetraspan 5 | Contains protein domain (PF00335) - 4 transmembrane segments integral membrane proteins | glycoprotein | 22278996, 264259, 29331822, 29331824, 29331825, 29331826, 29331827, 264905, 264509, 29331830, 66712502, 265008, 265009, 264758, 33657084, 85658542, 265010, 265018, 265019, 264762, 264448, 35695917, 33657109, 33657182, 33657349, 35695855, 264558, 22279002, 264563 |

| | | | | | | |
|------|-----------------------|---|--|-------------------|--------|--|
| 1372 | 80248517 (2743, 2744) | Novel Protein sim. GBank gij840708[idb]BAA09334] - (D50685) trans-sialidase [Trypanosoma cruzi] | | collagen | 263978 | 264769, 21906765, 21906767, 22278999, 264691, 264910, 55812038, 265010, 264681, 264684 |
| 1373 | 80499421 (2745, 2746) | | | UNCLASSIFIED | | 264907, 264510, 265007, 264512, 265008, 60432229, 264689, 65274791, 264555, 264556, 264557, 83373044, 60432113 |
| 1374 | 95087036 (2747, 2748) | Novel Protein sim. GBank gij111876[pir]JC1241 - beta-interferon-induced protein - rat | | interferon | | 52844507, 52845156, 52646842, 52646355, 56182575, 56181686, 22278998, 56994075, 35696286, 22278997, 22278998, 22278999, 264259, 29331822, 52645080, 29331824, 29331825, 60432289, 29331826, 29331827, 29331828, 35696052, 33656970, 264905, 264509, 264906, 264907, 264908, 29331830, 264909, 265006, 264511, 265007, 265008, 265009, 33657402, 60433356, 52646317, 33109954, 33657084, 52844296, 87168474, 87168559, 264600, 265017, 265018, 265019, 55811150, 18108351, 264448, 264764, 264288, 264369, 264766, 52644229, 21906765, 21906766, 21906767, 21906768, 21906769, 55811957, 35695917, 265020, 265021, 52644150, 33657023, 264693, 65274620, 52645129, 33657109, 27486261, 33657349, 27486265, 35695763, 18108376, 55810764, 35696423, 35695855, 264630, 264631, 264634, 264636, 264555, 264638, 18108385, 87168518, 60432113, 22279000, 22279002, 264563, 264564, 264566, 264567, 264768, 264769, 35695917, 22278997, 264691, 264259, 29331822, 264693, 35696052, 264508, 264509, 264905, 264906, 264628, 264908, 264629, 18108372, 264909, 264510, 264511, 264512, 265008, 264630, 264631, 264910, 264632, 264634, 264635, 264636, 264591, 264592, 264637, 264638, 264558, 264639, 33657402, 264595, 18108385, 56526486, 265010, 265011, 264600, 264563, 264762, 264564, 264565, 264764, 264486, 264766 |
| 1375 | 84236942 (2749, 2750) | Novel Protein sim. GBank gij5649176[pb]AAD03500.2] - (AF051155) G beta-like protein GBL [Rattus norvegicus] | Contains protein domain (PF00400) - WD domain, G-beta repeat | kinase | | 29331824, 264591, 265019, 264686, 264768, 55811957, 264693, 22279002 |
| 1376 | 87399050 (2751, 2752) | Novel Protein sim. GBank gij138350[p]P28968[VGLX_HSVB - GLYCOPROTEIN X PRECURSOR | | UNCLASSIFIED | | |
| 1377 | 86964242 (2753, 2754) | Novel Protein sim. GBank gij1663648 (U75321) - chromaffin granule ATPase II homolog [Mus musculus] | Contains protein domain (PF00122) - E1-E2 ATPase | ATPase-associated | | |

| | | | | | |
|------|-----------------------|---|--------------|---|--|
| 1378 | 87595071 (2755, 2756) | Novel Protein sim. GBank gij4107015[dbj BAA36293] - (AB001772) PEM-5 [Ciona savignyi] | | | 22278994, 22278998, 264093, 264094, 264259, 29331824, 29331827, 265009, 265018, 265019, 18108351, 264369, 264288, 29148627, 55811957, 264691, 18108366, 33657109, 18108368, 264635, 263981, 18108385 |
| 1379 | 85679344 (2757, 2758) | Novel Protein sim. GBank gij3252872 (AF035620) - BRCA1-associated protein 2 [Homo sapiens] | | | 265020 |
| 1380 | 87627962 (2759, 2760) | Novel Protein sim. GBank gij4837737[gib AAD30662.1] - (AF098834) germ cell specific Y-box binding protein [Homo sapiens] | nuc_recpt | | 264510, 264512, 265009, 264288, 264564 |
| 1381 | 88179656 (2761, 2762) | Novel Protein sim. GBank gij4731580[gib AAD28508.1]AF12538 - (AF125384) L82A [Drosophila melanogaster] | UNCLASSIFIED | | 87168559, 265017, 264628, 22279002 |
| 1382 | 94847576 (2763, 2764) | | UNCLASSIFIED | Contains protein domain (PF00583) - Acetyltransferase (GNAT) family | 22278994, 22278997, 22278999, 29331822, 29331824, 29331826, 265007, 60432229, 60433356, 85658542, 265017, 265018, 264685, 264768, 21906766, 35695917, 33657023, 27486261, 27486262, 35695763, 35695855, 87168518, 22279002 |
| 1383 | 87860598 (2765, 2766) | | UNCLASSIFIED | | 18108396, 264692 |
| 1384 | 86915895 (2767, 2768) | | UNCLASSIFIED | | 264488, 264508, 264509, 264905, 264906, 264908, 264909, 264511, 264512, 264910, 264760, 18108351, 264766, 264769, 35695855, 264630, 264636, 264555, 264638, 264483, 264564, 264486 |
| 1385 | 86378788 (2769, 2770) | Novel Protein sim. GBank gij2384732 (AF015911) - NAC-1 protein [Rattus norvegicus] | UNCLASSIFIED | | 35696052, 55811386, 264688, 21906765, 265020, 33657023, 18108385 |
| 1386 | 91013049 (2771, 2772) | Novel Protein sim. GBank gij2384910 (AF022982) - contains similarity to the A-type potassium current class of channel proteins [Caenorhabditis elegans] | Inf | | 60432289, 29331828, 264906, 264907, 56182435, 265011, 264681, 60170615, 33657023, 83373044, 264566 |
| 1387 | 87797958 (2773, 2774) | Novel Protein sim. GBank gij4160304[emb CAA10600] - (AJ132192) HSI binding protein 3 [Mus musculus] | UNCLASSIFIED | | 264591 |
| 1388 | 95101652 (2775, 2776) | Novel Protein sim. GBank gij4895184[gib AAD32753.1]AC00723 - (AC007231) putative disease resistance protein [Arabidopsis thaliana] | glycoprotein | | 65274572, 22278999, 264259, 29331826, 29331827, 35696052, 264509, 264907, 264908, 264909, 265006, 265008, 60170831, 33657402, 60433438, 264596, 21906754, 87168559, 264600, 265017, 264683, 18108354, 52644229, 21906765, 21906766, 21906767, 21906768, 21906769, 265021, 264692, 33657023, 33657109, 35695855, 264558, 60170394, 83373044, 22279000 |

| | | | | | |
|------|-----------------------|--|--|--------------|--|
| 1389 | 91256016 (2777, 2788) | Novel Protein sim. GBank gij5689387[dbj]BAA82977.1] - (AB028948) KIAA1025 protein [Homo sapiens] | Contains protein domain (PF00841) - Zn-finger in Ran binding protein and others. | UNCLASSIFIED | 65274572, 22278999, 264259, 29331822, 29331824, 29331825, 60432289, 29331828, 29146499, 264906, 66712502, 55812038, 285017, 265018, 265019, 18108351, 264369, 21906765, 21906766, 21906767, 21906768, 265020, 265021, 264692, 33657023, 33657349, 18108370, 18108374, 55811576, 264555, 264556, 264557, 60170394, 83373044, 22279000, 264563, 264564, 52645156, 52646365, 264259, 52645080, 29331825, 29331826, 264906, 52644045, 265009, 33657084, 52644296, 87168474, 87168559, 265017, 265018, 264760, 264682, 264288, 264686, 264687, 56181582, 52644229, 21906765, 21906769, 35695917, 265020, 265021, 60170615, 52644150, 33657023, 27486261, 27486264, 65274791, 264631, 264555, 52644332, 87168518, 22279000, 264567 |
| 1390 | 94111916 (2779, 2780) | Novel Protein sim. GBank gij3702295 (AC005783) - R33083_1 [Homo sapiens] | peptidase | | 29331826, 29331828, 29331830, 264448, 264288, 33657023, 18108365, 264555, 264556, 83373044 |
| 1391 | 91227345 (2781, 2782) | Novel Protein sim. GBank gij1346910[sp]P28650IPUA1 MOUSE - ADENYLOSUCCINATE SYNTHETASE, MUSCLE ISOZYME (IMP--ASPARTATE LIGASE) | Contains protein domain (PF00709) - Adenylosuccinate synthetase | | 52646842, 65274572, 22278994, 22278995, 35696286, 56994075, 22278997, 22278998, 22278999, 60432049, 264259, 52645080, 29331822, 29331824, 60432289, 29331826, 29331827, 35696052, 29331828, 33656970, 264907, 52644045, 265006, 265007, 265008, 60431735, 60433356, 52646317, 55811386, 52644286, 265010, 87168559, 265017, 264604, 265018, 265019, 264448, 264288, 264369, 264766, 21906764, 21906767, 35695917, 265020, 265021, 33657109, 52645129, 27486261, 27486262, 27486265, 33657349, 35695763, 18108370, 18108374, 18108376, 55811576, 35696423, 35695855, 264636, 52644332, 18108382, 18108385, 87168518, 60432113, 22279000, 264484, 264566, 18108391 |
| 1392 | 94311097 (2783, 2784) | Novel Protein sim. GBank gij726286 (U22394) - mSin3A [Mus musculus] | Contains protein domain (PF00560) - Leucine Rich Repeat | UNCLASSIFIED | 264763, 264631 |
| 1393 | 80409472 (2785, 2786) | | | UNCLASSIFIED | |
| 1394 | 15028819 (2787, 2788) | | | UNCLASSIFIED | 264629 |
| 1395 | 95361471 (2789, 2790) | Novel Protein sim. GBank gij2274845[dbj]BAA21534] - (D88461) N-WASP [Rattus rattus] | | UNCLASSIFIED | 265009, 18108381 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 1396 | 95363253 (2791, 2792) | Novel Protein sim. GBank gi 2135904 pir j54810 - pHLE1Fi - human | | | 22278997, 22278999, 264259, 29331825, 60432289, 29331828, 29146498, 29146499, 264907, 264908, 29331830, 264909, 265006, 265007, 265008, 265009, 60433356, 265010, 264602, 265017, 265018, 265019, 18108354, 52644229, 18108358, 21906767, 29148627, 21906768, 21906769, 29148629, 29148784, 265021, 265022, 18108368, 18108374, 56182323, 18108385, 264563, 264567, 35696286, 264907, 66712502, 264510, 35695917, 264892, 264693, 35696423, 264259, 29331822, 29331824, 29331825, 29331827, 35696032, 33656970, 87168474, 265018, 265019, 264682, 264768, 21906767, 265020, 33657023, 27486261, 55811576, 264632, 264639, 83373044, 87168518, 22279002 |
| 1397 | 87631317 (2793, 2794) | | | UNCLASSIFIED | |
| 1398 | 91233667 (2795, 2796) | Novel Protein sim. GBank gi 5420389 emb CAB46680.1 - (AJ243460) proteophosphoglycan [Leishmania major] | | | 264259, 29331822, 29331824, 29331825, 29331827, 35696032, 33656970, 87168474, 265018, 265019, 264682, 264768, 21906767, 265020, 33657023, 27486261, 55811576, 264632, 264639, 83373044, 87168518, 22279002 |
| 1399 | 87631076 (2797, 2798) | Novel Protein sim. GBank gi 2496887 sp Q09232 YQ22_CAEEL - HYPOTHETICAL 32.0 KD PROTEIN C09F5.2 IN CHROMOSOME III | | UNCLASSIFIED | 264768, 18108370, 264555, 264557 |
| 1400 | 95419064 (2799, 2800) | Novel Protein sim. GBank gi 283920 pir j527939 - tensin - chicken | Contains protein domain (PF00017) - Src homology domain 2 | UNCLASSIFIED | 56182575, 22278994, 22278997, 264259, 29331822, 29331825, 29331826, 29331827, 29331828, 264908, 56182435, 264112, 265009, 265011, 265017, 265018, 265019, 264760, 264762, 264765, 264288, 264685, 264687, 56181562, 264769, 21906766, 21906767, 55811857, 264691, 264692, 264628, 264629, 55811576, 264634, 264555, 264637, 264557, 264638, 18108381, 264558, 18108384, 60432113, 22279000 |
| 1401 | 91226379 (2801, 2802) | Novel Protein sim. GBank gi 3256185 emb CAA15485 - (AL008635) dJ510H16.1 [Homo sapiens] | Contains protein domain (PF00790) - VHS domain | UNCLASSIFIED | 65274572, 60432289, 264909, 264758, 264768, 21906769, 22279002 |
| 1402 | 95361475 (2803, 2804) | Novel Protein sim. GBank gi 1515427 (U57523) - nel homolog [Homo sapiens] | Contains protein domain (PF00008) - tgf EGF-like domain | | 264905, 264907, 264908, 264909, 264112, 264693, 33657109, 264634 |
| 1403 | 94147933 (2805, 2806) | Novel Protein sim. GBank gi 5262615 emb CAB45747.1 - (AL080156) hypothetical protein [Homo sapiens] | | | 65274572, 66712502, 265017, 264448, 264288, 21906765, 21906769, 264693, 55811576, 65274791, 60432113 |
| 1404 | 90935393 (2807, 2808) | | | UNCLASSIFIED | 65274572, 22278998, 29331822, 29331828, 66712502, 265008, 60433438, 265017, 264693, 18108385 |

| | | | | | |
|------|-----------------------|---|--|--|--|
| 1405 | 95095068 (2809, 2810) | Novel Protein sim. GBank gi 854065 emb CAA58337 - (X83413) U88 [Human herpesvirus 6] | | | 264488, 56994075, 35696286, 29331822, 29331824, 29331826, 29331828, 35696052, 264508, 264906, 264907, 264908, 264510, 264511, 264910, 33657402, 264594, 264758, 264600, 264604, 264762, 18108351, 264764, 33657023, 33657109, 264628, 264634, 83373044, 22279002, 264563, 264482, 264486, 264567, 264907, 264605 |
| 1406 | 87612369 (2811, 2812) | Novel Protein sim. GBank gi 624076 gb AAC96425.1 - (U42580) contains Pro-rich Px motifs: SPKPP (20X), PEPPA (9X); similar to soybean pro-rich cell wall protein, corresponds to Swiss-Prot Accession Number P13993 [Paramecium bursaria Chlorella virus 1] | collagen | | |
| 1407 | 94129872 (2813, 2814) | Novel Protein sim. GBank gi 2827886 (AF015037) - endooligopeptidase A related protein; EOPA related protein [Oryctolagus cuniculus] | UNCLASSIFIED | | 35696286, 22278999, 264094, 264259, 66714117, 29331826, 29331827, 29331828, 29146498, 264107, 264908, 265006, 265008, 264910, 60433438, 265011, 265017, 18108351, 264448, 264288, 264686, 21906765, 21906769, 264692, 33657109, 18108370, 264628, 263972, 18108374, 35696423, 55811576, 264631, 264557, 264558, 83373044, 18108385, 87168518, 60432113, 22279002 |
| 1408 | 95361477 (2815, 2816) | Novel Protein sim. GBank gi 2564953 (AF030001) - unknown [Mus musculus] | Contains protein domain (PF00008) - oncogene EGF-like domain | | 264488, 264489, 35696286, 264109, 264508, 264905, 264509, 264906, 264907, 264908, 264909, 265008, 265009, 264910, 33657402, 264757, 264758, 265011, 264601, 265017, 264760, 264762, 264683, 264685, 264766, 264687, 264689, 21906767, 265021, 264690, 264691, 33657023, 264692, 264693, 33657109, 264628, 264629, 35698423, 35695855, 264631, 264632, 264634, 264635, 264555, 264636, 264637, 264638, 56182323, 264639, 264563, 264564, 264565, 264566, 264567, 264693 |
| 1409 | 56644385 (2817, 2818) | Novel Protein sim. GBank gi 2662165 db BAA23714 - (AB007902) HH0712 cDNA clone for KIAA0442 has a 574-bp insertion at position 1474 of the sequence of KIAA0442 [Homo sapiens] | | | |
| 1410 | 86612587 (2819, 2820) | Novel Protein sim. GBank gi 2493790 sp Q60994 ACR3_MOUSE - 30 KD ADIPOCYTE COMPLEMENT-RELATED PROTEIN PRECURSOR (ACRP30) (ADIPOCYTE SPECIFIC PROTEIN ADIPOQ) | Contains protein domain (PF00386) - complement C1q domain | | 29331826, 264112, 264512, 265009, 265010, 264601, 264686, 264769, 21906767, 263974, 264631, 264566 |

| | | | | | |
|------|-----------------------|---|--|----------------|--|
| 1411 | 87818641 (2821, 2822) | Novel Protein sim. GBank gij123155jip91343YM3M, CAEL - HYPOTHETICAL 49.0 KD TRP-ASP REPEATS CONTAINING PROTEIN F55F8.5 IN CHROMOSOME I | Contains protein domain (PF00400) - WD domain, G-beta repeat | kinasereceptor | 22278995, 22278997, 22278999, 29331822, 60432289, 29331828, 264907, 265017, 265019, 264682, 21906767, 21906768, 21906769, 265020, 264690, 264691, 33657023, 33657109, 27486264, 264628, 263972, 264634, 264558, 18108385 |
| 1412 | 84390919 (2823, 2824) | | | UNCLASSIFIED | 264757 |
| 1413 | 95416559 (2825, 2826) | Novel Protein sim. GBank gij3879121lemb[CAA94370] - (Z70310) predicted using GeneFinder; Similarity to Mouse ankyrin (PIR Acc. No. S37771); cDNA EST EMBL: T01923 comes from this gene; cDNA EST EMBL: D32335 comes from this gene; cDNA EST EMBL: D32723 comes from this gene; cDNA EST E... | Contains protein domain (PF00023) - Ank repeat | homeobox | 56994075, 29331822, 35696052, 29331828, 29331830, 264909, 52644045, 264510, 52644296, 85658542, 87168474, 265017, 265018, 264681, 264687, 21906768, 35695917, 265020, 52644150, 264692, 263967, 27486264, 35695763, 264639, 18108387, 264566 |
| 1414 | 94675860 (2827, 2828) | Novel Protein sim. GBank gij3252981 (AF068921) - Ras-binding protein SUR-8 [Mus musculus] | Contains protein domain (PF00560) - Leucine Rich Repeat | UNCLASSIFIED | 264682, 264683, 265022, 264636 |
| 1415 | 94326948 (2829, 2830) | Novel Protein sim. GBank gij1871187 (U90439) - unknown protein [Arabidopsis thaliana] | | | 52646365, 56182575, 22278994, 22278995, 56994075, 22278996, 22278997, 22278998, 22278999, 264259, 29331822, 29331824, 29331825, 29331826, 29331827, 29331828, 29146498, 66712502, 29331830, 52644045, 264113, 264511, 33657402, 264757, 21906754, 55811386, 265017, 265018, 265019, 264761, 264683, 264369, 264288, 264686, 264689, 21906766, 21906767, 29148627, 21906769, 55811957, 265020, 265021, 264690, 33657023, 65274620, 52645129, 27486262, 27486264, 60431528, 264629, 35695855, 56182323, 264559, 60432113, 264404, 22279002, 264482 |

| | | | | | |
|------|-----------------------|--|--|-------------------|---|
| 1416 | 94325977 (2831, 2832) | Novel Protein sim. GBank gi 5106557 gb AAD39749.1 AF12305 - (AF123052) MLL seplin-like fusion protein [Homo sapiens] | Contains protein domain (PF00735) - Cell division protein | struct | 18108392, 18108394, 18108397, 18108398, 22278995, 22278996, 35696286, 22278997, 22278998, 22278999, 29331822, 35696052, 29331828, 29146498, 284905, 264907, 284908, 264828, 264909, 264113, 265006, 265007, 265008, 265009, 60170831, 264595, 18108348, 21906754, 87168474, 265010, 265011, 87168559, 265017, 265018, 265019, 264762, 18108351, 264681, 264763, 264682, 264683, 264766, 52644229, 264688, 264689, 21906765, 21906766, 21906767, 29148627, 21906768, 55811957, 29148629, 265020, 52644150, 18108361, 33657023, 18108362, 18108368, 264628, 18108370, 264629, 18108374, 18108379, 55811576, 65274791, 264634, 264636, 56182323, 18108381, 60170394, 18108385, 56526486, 87168518, 22279000 264107, 264448 |
| 1417 | 87826663 (2833, 2834) | Novel Protein sim. GBank gi 4958935 dbj BAA78095.1 - (AB027570) suppressor of potassium transport defect 3 [Rattus norvegicus] | | ATPase_associated | |
| 1418 | 87594276 (2835, 2836) | | | UNCLASSIFIED | 264259, 264908, 265010, 52644229, 21906764, 21906768, 264690, 264639, 18108388 |
| 1419 | 87757168 (2837, 2838) | Novel Protein sim. GBank gi 2072294 (U95097) - mitotic phosphoprotein 43 [Xenopus laevis] | | struct | 264259, 60432289, 265006, 87168474, 264288 |
| 1420 | 87298628 (2839, 2840) | Novel Protein sim. GBank gi 5174421 ref NP_006023.1 PCPNE - copine VI (neuronal) (Z69635) Similarity to Yeast undine Kinase (SW:URK1_YEAST); cDNA EST EMBL:Z14695 comes from this gene; cDNA EST CEMSE17F comes from this gene; cDNA EST EMBL:D67355 comes from this gene; cDNA EST yk209h1.5 comes from this gen... | | ATPase_associated | 29331824, 265007, 264563 |
| 1421 | 94746986 (2841, 2842) | | | kinase | 18108358, 18108396, 18108397, 21906766, 18108398, 21906767, 56182575, 21906768, 21906769, 56181686, 55811957, 35695917, 35696286, 22278996, 22278997, 22278998, 22278999, 265021, 265022, 60170615, 264259, 33657023, 29331822, 56182181, 29331824, 66714117, 29331825, 33657109, 29331826, 27486261, 29331828, 35696052, 33657349, 264905, 264509, 20281149, 18108370, 264907, 60431528, 66712502, 263972, 55811576, 35696423, 35695955, 264512, 265007, 60431850, 60432229, 60431735, 56182323, 264558, 60170394, 83373044, 55812038, 264758, 18108385, 21906754, 55811386, 87168518, 87168559, 60432113, 265017, 265018, 265019, 22279002, 55811150, 264563, 264682, 264763, 264448, 264566, 264486, 18108391 |

| | | | | | |
|------|-----------------------|---|--|--------------|--|
| 1422 | 88178777 (2843, 2844) | Novel Protein sim. GBank gi14505939[ref]NP_000928.1 pPOLR - polymerase (RNA) II (DNA directed) polypeptide A [220KD] | | | 56994075, 35696286, 87168559, 55811957, 55811576, 264555, 264557, 87168518 |
| 1423 | 86957762 (2845, 2846) | | | UNCLASSIFIED | 264686, 264489, 264692, 264594, 264603, 265018, 264908 |
| 1424 | 95201610 (2847, 2848) | Novel Protein sim. GBank gi1437181 (U02289) - GTPase- activating protein [Caenorhabditis elegans] | Contains protein domain (PF00620) - RhoGAP domain | struct | 29331822, 29331825, 29331827, 29146498, 264905, 264906, 264908, 264909, 265007, 264910, 265009, 33109954, 265010, 87168559, 265019, 264768, 264687, 21908765, 21906766, 21906767, 21906768, 29148627, 55811957, 29148629, 265021, 264691, 264692, 56526486, 22279002, 264563 |
| 1425 | 21662314 (2849, 2850) | Novel Protein sim. GBank gi100798[pir]S14959 - proline- rich protein - wheat | | UNCLASSIFIED | 265007, 264558 |
| 1426 | 94322115 (2851, 2852) | Novel Protein sim. GBank gi2078441 (U56964) - weak similarity to S. cerevisiae intracellular protein transport protein US1 (SP:P25386) [Caenorhabditis elegans] | | UNCLASSIFIED | 264488, 60424179, 35696286, 22278997, 22278998, 22278999, 264259, 60432049, 29331822, 29331825, 29331827, 56182435, 264910, 60433356, 60433438, 21906754, 265018, 264288, 21906765, 21906766, 21906767, 21906769, 265020, 265022, 33657109, 18108370, 18108376, 264558, 83373044, 18108385, 56526486, 22279002, 264482 |
| 1427 | 91227510 (2853, 2854) | Novel Protein sim. GBank gi5816074[gb]AAD45616.1 AF08194 - (AF081943) protate- derived STE20-like kinase PSK [Homo sapiens] | Contains protein domain (PF00089) - kinase Eukaryotic protein kinase domain | kinase | 22278994, 56994075, 22278997, 29331828, 29331830, 264828, 265006, 265007, 265008, 265009, 264683, 264288, 18108354, 21906765, 21906768, 29148629, 33657023, 18108374, 35695855, 83373044, 22278002, 264564 |
| 1428 | 94323008 (2855, 2856) | Novel Protein sim. GBank gi138350[sp]P28968 VGLX_HSVB - GLYCOPROTEIN X PRECURSOR | | glycoprotein | 56181686, 264259, 264907, 265007, 265009, 264595, 265010, 264686, 55274620, 264629, 65274791, 22279002, 264566 |
| 1429 | 87886689 (2857, 2858) | | | UNCLASSIFIED | 264112, 264585, 265017, 265019, 21906765, 263977, 264555 |
| 1430 | 94735021 (2859, 2860) | Novel Protein sim. GBank gi1181619[dbj]BAA11565] - (D82364) a variant of TSC-22 [Gallus gallus] | | | 264094, 29331824, 264591, 264593, 265018, 264681, 21906765, 21906767, 65274620, 55811576, 264639, 87168518, 22279002 |
| 1431 | 80429081 (2861, 2862) | Novel Protein sim. GBank gi5420389[emb]CAB46680.1] - (AJ243460) proteophosphoglycan [Leishmania major] | | UNCLASSIFIED | 264768, 265020, 264691, 264693, 264638 |
| 1432 | 87463004 (2863, 2864) | Novel Protein sim. GBank gi1414797 (L18966) - pyruvate dehydrogenase phosphatase [Bos taurus] | | phosphatase | 18108394, 29146498, 265007, 60433438, 264763, 29148629, 263969 |
| 1433 | 87605403 (2865, 2866) | Novel Protein sim. GBank gi2460316 (AF022147) - uterus- ovary specific putative transmembrane protein [Rattus norvegicus] | Contains protein domain (PF00100) - Zona pellucida-like domain | UNCLASSIFIED | 264259, 264510, 264591, 264603, 264565 |
| 1434 | 85713730 (2867, 2868) | | | UNCLASSIFIED | 264682, 264691 |

| | | | | | |
|------|-----------------------|--|---|-------------------|--|
| 1435 | 94708213 (2869, 2870) | Novel Protein sim. GBank gij3970850[dbj]BAA34789.1] - (AB015330) HRIHFB2007 (Homo sapiens) | | transcript factor | 22278997, 22278998, 22278999, 60432049, 264259, 29331822, 29331824, 65714117, 29331826, 33656970, 264508, 264905, 66712502, 29331830, 264909, 265007, 265008, 264910, 265009, 60433356, 60433438, 264596, 21906754, 265010, 265017, 265018, 265019, 18108351, 264762, 264448, 264288, 264769, 21906767, 21906768, 21906769, 265020, 265021, 265022, 264690, 264691, 33657109, 264628, 18108374, 18108376, 55811576, 264636, 60170394, 58182323, 264559, 83373044, 87168518, 60432113, 22279000, 22279002, 264563, 264482, 264565, 263978, 264557, 264559 |
| 1436 | 86635024 (2871, 2872) | Novel Protein sim. GBank gij3183977[emb]CAA39515] - (X56044) protein Hif9C (Mus musculus) | | UNCLASSIFIED | |
| 1437 | 87631082 (2873, 2874) | Novel Protein sim. GBank gij2496887[sp]Q09232[YQ22_CAEEL - HYPOTHETICAL 32.0 KD PROTEIN C09F5.2 IN CHROMOSOME III | | UNCLASSIFIED | 22278997, 66714117, 29331826, 264907, 56182435, 265009, 18108351, 264692, 264693 |
| 1438 | 85544280 (2875, 2876) | Novel Protein sim. GBank gij1805908 (AD000092) - hypothetical human serine-threonine protein kinase R31240_1 [Homo sapiens] | Contains protein domain (PF00595) - PDZ domain (Also known as DHR or GLGF). | kinase | 264488, 264508, 264906, 264909, 264757, 264600, 264601, 264605, 264768, 264769, 264690, 35696423, 264558, 264563, 264566 |
| 1439 | 91231894 (2877, 2878) | Novel Protein sim. GBank gij3876299[emb]CAA94892] - (Z71180) similar to BPTI/KUNITZ inhibitor domain; cDNA EST EMBL:D68293 comes from this gene; cDNA EST yk448h4.5 comes from this gene; cDNA EST yk249e6.5 comes from this gene; cDNA EST yk448h4.3 comes from this gene [Caenorhabditis...] | Contains protein domain (PF00450) - Serine carboxypeptidase | cathepsin | 264489, 18108394, 65274572, 56182575, 22278994, 22278996, 35696286, 22278997, 22278998, 22278999, 264259, 60432049, 29331822, 29331824, 60432289, 29331826, 29331827, 29331828, 35696052, 33656970, 264107, 264508, 264509, 264907, 66712502, 29331830, 56182435, 264511, 265006, 265007, 265009, 60432229, 60433438, 264595, 55812038, 55811388, 265011, 265017, 265018, 265019, 18108351, 264448, 18108354, 264288, 18108355, 264767, 21906765, 21906766, 21906767, 21906768, 21908769, 55811957, 35695917, 265020, 265021, 265022, 33657109, 18108370, 18108374, 55810764, 35695855, 264634, 264638, 56182323, 83373044, 18108387, 87168518, 60432113, 22279000, 264486 |
| 1440 | 87423843 (2879, 2880) | Novel Protein sim. GBank gij2662165[dbj]BAA23714] - (AB007902) H10712 cDNA clone for KIAA0442 has a 574-bp insertion at position 1474 of the sequence of KIAA0442. [Homo sapiens] | | UNCLASSIFIED | 264887, 264259, 264906, 264907, 264908, 264909, 265008, 265010, 265017, 265018, 265019, 18108351, 264369, 265020, 33657023, 33657109, 60431528, 55811576, 264635 |

101

| | | | | | | |
|------|-----------------------|---|--|--|--------------|--|
| 1449 | 87860859 (2897, 2898) | | | | UNCLASSIFIED | 66714117, 264906, 264908, 264591, 264601, 264764, 264632 |
| 1450 | 87458696 (2899, 2900) | Novel Protein sim. GBank gij1707074 (U80450) - M01E11.2 [Caenorhabditis elegans] | | | UNCLASSIFIED | 35696286, 35696052, 265008, 265009, 60170831, 33109954, 264683, 264689, 35696423, 35695855, 56926486 |
| 1451 | 87797970 (2901, 2902) | Novel Protein sim. GBank gij160304[emb]CAA106001 - (AJ132192) H51 binding protein 3 [Mus musculus] | | | UNCLASSIFIED | 29331826, 264683, 264693, 263978, 264630 |
| 1452 | 85692899 (2903, 2904) | Novel Protein sim. GBank gij2832906[dbj]BAA24608.11 - (D89340) dipeptidyl peptidase III [Rattus norvegicus] | | | peptidase | 264681, 33657023, 264629 |
| 1453 | 86130434 (2905, 2906) | Novel Protein sim. GBank gij728831[sp]P39188[ALU1_HUMAN - III] ALU SUBFAMILY J WARNING ENTRY III | | | kinase | 264510, 264768 |
| 1454 | 11204696 (2907, 2908) | | | | | 264556 |
| 1455 | 87797896 (2909, 2910) | | | | UNCLASSIFIED | 29331822, 66714117, 29331825, 264905, 29331830, 265006, 265008, 265009, 265011, 265019, 18108351, 21908768, 33657109, 18108376, 264632, 56182323, 87168518 |
| 1456 | 86320218 (2911, 2912) | Novel Protein sim. GBank gij728230[sp]P41004[CUT3_SCHPO - CHROMOSOME SEGREGATION PROTEIN CUT3 | | | transport | 22278995, 22278996, 22278997, 22278998, 22278999, 29331827, 264107, 265017, 21906765, 21906766, 21906767, 21906769, 29148629, 18108370, 22279000 |
| 1457 | 80076900 (2913, 2914) | Novel Protein sim. GBank gij2246532 (U93872) - ORF 73, contains large complex repeat CR 73 [Kaposi's sarcoma-associated herpesvirus] | | | UNCLASSIFIED | 264107, 264566 |
| 1458 | 87800460 (2915, 2916) | Novel Protein sim. GBank gij5524667[gb]AAD4333.1[AF159355 - (AF159356) Munc13-4 protein [Rattus norvegicus] | | | transport | 56182575, 22278999, 60432049, 264259, 29331826, 29331827, 29331828, 264102, 264107, 264110, 265009, 60432229, 265019, 265020, 263972, 263976, 264635, 22279002, 264566 |
| 1459 | 95360920 (2917, 2918) | Novel Protein sim. GBank gij5524667[gb]AAD4333.1[AF159355 - (AF159356) Munc13-4 protein [Rattus norvegicus] | | Contains protein domain (PF00168) - C2 domain | kinase | 22278997, 264259, 29331824, 29331826, 29331827, 29331828, 265017, 265018, 264760, 264682, 264448, 264288, 264766, 265021, 264692, 33657023, 33657109, 35695855, 264566 |
| 1460 | 95354602 (2919, 2920) | | | | UNCLASSIFIED | 29331822, 264591, 55811957, 264691, 264693, 65274620 |
| 1461 | 94741513 (2921, 2922) | Novel Protein sim. GBank gij1707274 (U80931) - strong similarity to class-III of pyridoxal-phosphate-dependent aminotransferases [Caenorhabditis elegans] | | Contains protein domain (PF00202) - Aminotransferases class-III pyridoxal phosphate | gaba | 22278997, 29331822, 35696052, 265009, 264758, 265017, 265018, 265019, 264760, 264369, 264687, 21906765, 21906768, 265022, 33657109, 27486261, 264555, 83373044 |
| 1462 | 87732018 (2923, 2924) | | | | UNCLASSIFIED | 264555, 264556 |
| 1463 | 88090605 (2925, 2926) | Novel Protein sim. GBank gij1770466[emb]CAA66912 - (X98259) M-phase phosphoprotein 8 [Homo sapiens] | | Contains protein domain (PF00385) - 'chromo' (ChRromatin Organization Modifier) domain | struct | 60432049, 264259, 29146499, 264906, 264907, 264512, 265017, 264763, 264766, 18108370, 18108374, 264636, 18108385, 18108388 |

| | | | | | |
|------|-----------------------|--|--|--------------|--|
| 1464 | 87620482 (2927, 2928) | Novel Protein sim. GBank gij3874447[embjCAB02772] - (Z81039) predicted using GeneFinder; cDNA EST EMBL:TO1209 comes from this gene; cDNA EST yk278a11.3 comes from this gene; cDNA EST yk308a9.3 comes from this gene; cDNA EST yk308a9.5 com... | | UNCLASSIFIED | 264569, 22278995, 22278996, 22278997, 22278998, 29331822, 29331824, 29331825, 35696052, 20281100, 264905, 29331830, 264909, 265007, 33657402, 21906754, 265017, 265018, 264882, 264684, 264369, 264288, 264766, 21906765, 21906768, 21906767, 21906769, 35695917, 264691, 33657023, 264692, 35696423, 35695855, 264630, 264631, 264639, 264565 |
| 1465 | 87425182 (2929, 2930) | Novel Protein sim. GBank gij4589598[dbjBAA76821.1] - (AB023194) KIAA0977 protein [Homo sapiens] | | glucoamylase | 264488, 22278994, 56994075, 60432049, 264259, 56182181, 60432289, 29331827, 52640405, 264511, 265007, 265008, 264596, 55812038, 55811386, 264600, 264602, 265017, 265018, 264604, 265019, 18108351, 18108354, 56181562, 21906769, 265021, 33657023, 33657182, 55811576, 264557, 18108382, 60432113 |
| 1466 | 87606227 (2931, 2932) | Novel Protein sim. GBank gij2246532 (U93872) - ORF 73, contains large complex repeat CR 73 [Kaposi's sarcoma-associated herpesvirus] | | UNCLASSIFIED | 264512, 265017, 264689, 264558 |
| 1467 | 87614328 (2933, 2934) | Novel Protein sim. GBank gij4507241[reflNP_003137.1]pSSRP - structure specific recognition protein 1 | | struct | 264683, 264636 |
| 1468 | 95342862 (2935, 2936) | Novel Protein sim. GBank gij1906596 (U81788) - kinesin-73 [Drosophila melanogaster] | | struct | 22278998, 264758, 265018, 265019, 21906769, 265020, 33657109, 22279002 |
| 1469 | 79236174 (2937, 2938) | Novel Protein sim. GBank gij1906596 (U81788) - kinesin-73 [Drosophila melanogaster] | | struct | 18108394, 18108397, 18108398, 35696052, 29146499, 265007, 265008, 285009, 265010, 265011, 18108354, 18108365, 18108368, 18108374, 18108381, 18108382, 18108384, 18108388 |
| 1470 | 94890482 (2939, 2940) | Novel Protein sim. GBank gij5649170[gb AAD43131.2 AF15909 - (AF159092) syld709613 protein [Homo sapiens] | | UNCLASSIFIED | 18108394, 18108398, 56182575, 264259, 29331822, 29331824, 29331825, 60432289, 264907, 264909, 265007, 264910, 265009, 264591, 60432229, 60433358, 264595, 60433438, 264758, 33109954, 265010, 265011, 265018, 264760, 264448, 264764, 264288, 264369, 18108357, 264769, 18108358, 21906767, 21906769, 55811957, 265021, 18108361, 264691, 18108362, 18108365, 18108368, 264628, 18108379, 264637, 264557, 18108381, 56182323, 18108382, 83373044, 18108384, 18108388, 87188518, 60432113, 264404, 22279002, 264482, 264567, 264487 |
| 1471 | 87826842 (2941, 2942) | Novel Protein sim. GBank gij3876146[embjCAB01750] - (Z78542) similar to Mitochondrial carrier proteins; cDNA EST EMBL:TO1651 comes from this gene [Caenorhabditis elegans] | Contains protein domain (PF00153) - transport Mitochondrial carrier proteins | transport | 29331822, 29331824, 29331825, 264828, 264603, 264689, 264693, 18108374, 55811576 |

| | | | | | | |
|------|-----------------------|--|--|--------------|--------------|---|
| 1472 | 87756616 (2943, 2944) | Novel Protein sim. GBank gi 4680707 gb AAD27743.1 AF132968 (AF132968) CGI-34 protein [Homo sapiens] | | | UNCLASSIFIED | 264905, 18108351, 21906765, 264486 |
| 1473 | 87791609 (2945, 2946) | Novel Protein sim. GBank gi 3688780 (AF042180) - testis-specific Y-encoded-like protein [Mus musculus] | Contains protein domain (PF00956) - Nucleosome assembly protein (NAP) | MHC | | 18108394, 22278995, 56994075, 22278999, 29331822, 29331824, 66714117, 29331825, 29331826, 35696052, 264908, 264907, 56182435, 265007, 264758, 265018, 265019, 264760, 264764, 264288, 264685, 264686, 264768, 21908769, 55811957, 265021, 264691, 264693, 264629, 55811578, 264634, 264638, 56182323, 22279002, 264566, 264486 |
| 1474 | 85800989 (2947, 2948) | Novel Protein sim. GBank gi 2494890 sp Q92176 CORO_BOVIN - CORONIN-LIKE PROTEIN P57 | Contains protein domain (PF00400) - WD domain, G-beta repeat | struct | | 264488, 35695917, 35696286, 264692, 33657023, 264693, 33657109, 35696052, 264508, 264905, 264906, 264907, 264629, 264908, 264909, 35696423, 35695855, 264511, 264910, 264632, 264634, 264635, 264636, 264637, 264558, 264557, 264639, 264758, 60432113, 264604, 264605, 264565, 264566, 264764, 264488, 264685, 264766 |
| 1475 | 86871935 (2949, 2950) | | Contains protein domain (PF00041) - Fibronectin type III domain | UNCLASSIFIED | | 264681, 264682, 264288, 264566 |
| 1476 | 87548855 (2951, 2952) | Novel Protein sim. GBank gi 4757752 ref NP_004684.1 pANGP - angiotensin 3 | Contains protein domain (PF00147) - Fibrinogen beta and gamma chains, C-terminal globular domain | glycoprotein | | 60424179, 56181686, 29331824, 60424269, 29331826, 35696052, 264508, 264905, 264906, 264907, 264908, 264909, 264512, 265007, 265008, 265009, 264910, 33657402, 264595, 264596, 55812038, 265011, 264601, 264762, 18108351, 264288, 264369, 264685, 264766, 264689, 55811957, 264691, 264692, 264693, 18108370, 60431528, 18108374, 35696423, 264634, 264635, 264636, 60431850, 264555, 264638, 264557, 264639, 18108382, 18108386, 60432113, 22279002, 264259, 264107, 264905, 265008, 265010, 265011, 264682, 264288, 265020, 265021, 263974 |
| 1477 | 87774279 (2953, 2954) | Novel Protein sim. GBank gi 2498308 sp Q60870 DP1_MOUSE - POLYPOSIS LOCUS PROTEIN 1 HOMOLOG (TB2 PROTEIN HOMOLOG) (GP106) | | UNCLASSIFIED | | |
| 1478 | 11754412 (2955, 2956) | | | | | 264686 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 1479 | 91640140 (2957, 2959) | Novel Protein sim. GBank gi 5499741 gb AAD43978.1 AF15296 - (AF152961) chromatin-specific transcription elongation factor FACT 140 kDa subunit [Homo sapiens] | | peptidase | 56182575, 22278995, 22278996, 22278998, 22278999, 29331822, 29331824, 6671417, 264906, 264907, 56182435, 265006, 60170831, 33657402, 264758, 33109954, 21906754, 265017, 265019, 264448, 264288, 264767, 264687, 52644229, 21906764, 264689, 21906765, 21906768, 21906769, 265020, 265021, 60170615, 264691, 33657023, 33657109, 33657182, 27486261, 27486282, 33657349, 18108370, 60431528, 263976, 55811576, 264556, 264557, 60170394, 87168518, 264404, 22279000, 22279002, 264563, 264482 |
| 1480 | 94312412 (2959, 2960) | Novel Protein sim. GBank gi 3550456 emb CAA06329.1 - (AJ005073) Alix [Mus musculus] | | UNCLASSIFIED | 18108394, 65274572, 56182575, 22278995, 35696286, 56994075, 22278996, 22278997, 22278998, 22278999, 264091, 264259, 35696052, 29148499, 264103, 264105, 264108, 264907, 52644045, 264112, 265007, 265008, 265009, 60433356, 60433438, 264596, 33109954, 33657084, 52644296, 87168474, 265010, 87168559, 265017, 265018, 265019, 264448, 264682, 264683, 264769, 21906765, 21906766, 21906767, 21906768, 21906769, 265020, 265021, 60170615, 52644150, 33657109, 33657182, 263972, 35695855, 264557, 263981, 83373044, 18108385, 87168518, 264566, 264089, 264486 265006, 265007, 265010, 18108374 |
| 1481 | 87021442 (2961, 2962) | Novel Protein sim. GBank gi 4836807 gb AAD30566.1 AF14679 - (AF146793) PFT27 [Mus musculus] | | MHC | |
| 1482 | 85320442 (2963, 2964) | Novel Protein sim. GBank gi 4585372 gb AAD25403.1 AF12292 - (AF122923) Wnt inhibitory factor-1 [Mus musculus] | Contains protein domain (PF00008) - EGF-like domain | UNCLASSIFIED | 264908, 264910, 264758 |
| 1483 | 94115503 (2965, 2966) | Novel Protein sim. GBank gi 535428 (U13736) - calmodulin- like protein [Pisum sativum] | Contains protein domain (PF00036) - EF hand | struct | 264259, 29331822, 52645080, 29331825, 29331826, 33656970, 29331830, 265007, 55812038, 33109954, 265017, 264288, 21906768, 21906769, 264636, 18108380, 87168518, 22279000 |
| 1484 | 94131544 (2967, 2968) | Novel Protein sim. GBank gi 1911774 gb 180090 - (S83384) putative Rab5-interacting protein (clone L1-57) [human, HeLa cells, Peptide Partial, 122 aa] [Homo sapiens] | | UNCLASSIFIED | 264489, 35696286, 264259, 264107, 264909, 265008, 60433356, 33657402, 60433438, 264288, 21906765, 21906766, 29148627, 33657023, 27486262, 18108374, 35696423, 83373044, 60432113 |
| 1485 | 80194441 (2969, 2970) | Novel Protein sim. GBank gi 5360129 gb AAD42883.1 AF15511 - (AF155117) NY-REN 62 antigen [Homo sapiens] | Contains protein domain (PF00225) - Kinesin motor domain | struct | 264369, 265020, 18108374 |

| | | | | | |
|------|-----------------------|--|--|---------------|--|
| 1486 | 94125066 (2971, 2972) | Novel Protein sim. GBank gi 4589516 dbj BAA76780.1 - (AB023153) KIAA0936 protein [Homo sapiens] | Contains protein domain (PF00089) - Eukaryotic protein kinase domain | kinase | 56182575, 22278999, 264906, 264907, 21906754, 87168474, 265017, 265019, 18108351, 264288, 265020, 264566, 21906754, 264486 |
| 1487 | 86452711 (2973, 2974) | Novel Protein sim. GBank gi 5019275 emb CAB44431.1 - (AJ132751) xenobiotic/medium-chain fatty acid CoA ligase form XL-III [Bos taurus] | | synthase | |
| 1488 | 87732026 (2975, 2976) | Novel Protein sim. GBank gi 5712131 gb AAD47379.1 AF12049 - (AF120499) DEM1 protein [Homo sapiens] | Contains protein domain (PF01443) - Viral (Superfamily 1) RNA helicase | lgi | 264686, 264769, 264689, 264692, 264693, 264509, 264906, 264907, 18108370, 264908, 264629, 264909, 264510, 265006, 264512, 265007, 265008, 265009, 264555, 264556, 264557, 264558, 264762, 264564, 264682 |
| 1489 | 95104277 (2977, 2978) | Novel Protein sim. GBank gi 2497303 sp Q62786 FPRP_RAT - PROSTAGLANDIN F2-ALPHA RECEPTOR REGULATORY PROTEIN PRECURSOR (PROSTAGLANDIN F2-ALPHA RECEPTOR ASSOCIATED PROTEIN) | Contains protein domain (PF00047) - Immunoglobulin domain | prostaglandin | 21906767, 22278999, 265022, 264259, 264693, 29331824, 29331825, 29331826, 29331827, 29331828, 264103, 263972, 66712502, 35696423, 35695855, 265007, 265008, 265009, 83373044, 21906754, 56526486, 265017, 264563, 18108351, 264564, 264566, 264369, 264288 |
| 1490 | 87390127 (2979, 2980) | | | UNCLASSIFIED | 56182575, 264259, 29331822, 29331824, 66714117, 29331827, 29331828, 264508, 264905, 66712502, 265007, 265008, 264594, 33657402, 55812038, 87168474, 265018, 18108351, 264369, 264288, 264769, 264689, 21906767, 21906768, 55811957, 60170615, 33657109, 35695855, 264635, 60170394, 56526486, 22279002, 264563, 265007, 264448, 18108372, 264558, 56182323 |
| 1491 | 83594305 (2981, 2982) | Novel Protein sim. GBank gi 295671 (L11275) - selected as a weak suppressor of a mutant of the subunit AC40 of DNA dependant RNA polymerase I and III [Saccharomyces cerevisiae] | | UNCLASSIFIED | |
| 1492 | 85805363 (2983, 2984) | Novel Protein sim. GBank gi 1656005 (U71205) - rit [Mus musculus] | Contains protein domain (PF00071) - Ras family | oncogene | 22278997, 22278998, 29331822, 264907, 66712502 |

| | | | | | |
|------|-----------------------|--|--|--------------|--|
| 1493 | 91677215 (2985, 2986) | Novel Protein sim. GBank gij5689515[dbj BAA83041.1] - (AB029012) KIAA1089 protein [Homo sapiens] | | UNCLASSIFIED | 264488, 52646365, 65274572, 56182575, 22278994, 35696286, 56994075, 22278999, 60432049, 29331824, 29331828, 35696052, 264508, 264905, 264906, 52644045, 264909, 56182435, 265008, 265008, 265009, 60170831, 33657402, 55812038, 265010, 265011, 265017, 265018, 265019, 55811150, 264448, 264682, 264685, 264686, 52644229, 21908765, 21908766, 21908768, 21908769, 265020, 265021, 60170615, 52644150, 33657023, 18108364, 18108365, 33657109, 33657182, 27486261, 27486262, 27486264, 33657349, 27486265, 35695763, 18108370, 264629, 18108374, 52644332, 56182323, 87168518, 22279002, 264564, 264566, 264567 |
| 1494 | 87605265 (2987, 2988) | Novel Protein sim. GBank gij728832[sp P39189 ALU2_HUMAN - IIII ALU SUBFAMILY SB WARNING ENTRY IIII] | Contains protein domain (PF01352) - kinase KRAB box | | 264907, 265009, 264769, 18108370, 55811576, 264639, 264565, 264486 |
| 1495 | 87605267 (2989, 2990) | Novel Protein sim. GBank gij4589588[dbj BAA76816.1] - (AB023189) KIAA0972 protein [Homo sapiens] | Contains protein domain (PF01352) - transcript factor KRAB box | | 22278997, 264259, 264906, 264907, 265009, 264594, 33657084, 265017, 264760, 264448, 33657109, 264630, 264634, 56526486, 264563, 264565, 264566, 264486, 264567 |
| 1496 | 87784322 (2991, 2992) | Novel Protein sim. GBank gij5420387[emb CAB46679.1] - (AJ243459) proteophosphoglycan [Leishmania major] | UNCLASSIFIED | | 35696286, 264906, 265019, 264693 |
| 1497 | 81695428 (2993, 2994) | Novel Protein sim. GBank gij3874925[emb CAA92591] - (Z68296) Similarity to Mouse A-RAF proto-oncogene, serine/threonine-protein kinase (SW/KRAA_MOUSE); cDNA EST EMBL:D27610 comes from this gene; cDNA EST EMBL:TO1018 comes from this gene; cDNA EST EMBL:D33256 comes from this gene... | Contains protein domain (PF00069) - kinase Eukaryotic protein kinase domain | | 264910, 264758, 265011, 264764, 264288, 264690, 264634, 264635, 56526486 |
| 1498 | 90934938 (2995, 2996) | Novel Protein sim. GBank gij728838[sp P39193 ALU6_HUMAN - IIII ALU SUBFAMILY SP WARNING ENTRY IIII] | oncogene | | 264488, 65274572, 29331822, 265017, 265018, 21908765, 29148627, 29148629, 18108374, 264637, 264638, 264567 |
| 1499 | 86451589 (2997, 2998) | Novel Protein sim. GBank gij2570198 (U54556) - microfilament sheath protein SHP3 [Litomosoides sigmodontis] | glucoamylase | | 263978, 264566 |
| 1500 | 80499386 (2999, 3000) | | UNCLASSIFIED | | 22278999, 264769, 18108379 |
| 1501 | 85795297 (3001, 3002) | Novel Protein sim. GBank gij2078483 (U43200) - antifreeze glycoprotein precursor [Boreogadus saida] | UNCLASSIFIED | | 264559 |
| 1502 | 80206141 (3003, 3004) | | | | 264508, 264112, 264604, 264684, 52644150, 55811576, 264632, 264556, 264638, 56182323, 264563, 264486 |
| 1503 | 87012701 (3005, 3006) | Novel Protein sim. GBank gij3900855 (AC004874) - similar to N-acetylgalactosaminyltransferase; similar to Q07537 (PID:g1171989) [Homo sapiens] | Contains protein domain (PF00535) - transferase Glycosyl transferases | | 29331822, 265007, 264369 |

| | | | | | | |
|------|-----------------------|---|--|--------------|--|--|
| 1504 | 79640051 (3007, 3008) | | Contains protein domain (PF00023) - Ank repeat | UNCLASSIFIED | 264693 | |
| 1505 | 86102672 (3009, 3010) | Novel Protein sim. GBank gi14753775[emb]CAB41970.1] - (A1132545) protein kinase [Homo sapiens] | Contains protein domain (PF00069) - Eukaryotic protein kinase domain | kinase | 29331826, 35696052, 264509, 264906, 264907, 264908, 264909, 264511, 264910, 55812038, 264759, 264763, 264764, 264689, 35695917, 265022, 33657109, 18108374, 264631, 264635, 264638, 264566 | |
| 1506 | 94143219 (3011, 3012) | Novel Protein sim. GBank gi1304201[dbj]BAA06170] - (D29766) alternatively spliced product [Rattus norvegicus] | Contains protein domain (PF00018) - SH3 domain | glycoprotein | 55274572, 56182575, 56994075, 22278997, 22278998, 22278999, 264091, 264092, 60432049, 264259, 52645080, 29331822, 29331827, 264106, 29331830, 264908, 56182435, 264110, 264511, 264512, 55812038, 21906754, 87168559, 264600, 265017, 265018, 264681, 18108354, 264369, 264687, 264689, 21906765, 29148627, 21906768, 21906769, 29148629, 52644150, 33657023, 18108376, 65274791, 56182323, 264558, 264559, 18108385, 87168518, 60432113, 22279000, 264565 | |
| 1507 | 83738250 (3013, 3014) | Novel Protein sim. GBank gi15689513[dbj]BAA83040.1] - (AB029011) KIAA1088 protein [Homo sapiens] | | helicase | 264639 | |
| 1508 | 11618758 (3015, 3016) | Novel Protein sim. GBank | | | 264593 | |
| 1509 | 87318451 (3017, 3018) | gi15031975[ref]NP_005875.1pPAK4 - protein kinase related to S. cerevisiae STE20, effector for Cdc42Hs | Contains protein domain (PF00069) - Eukaryotic protein kinase domain | kinase | 264259, 29331822, 29331824, 29331828, 264591, 33109954, 264563 | |
| 1510 | 95362643 (3019, 3020) | Novel Protein sim. GBank | | UNCLASSIFIED | 264259, 29331822, 265007, 18108374, 264556 | |
| 1511 | 88318073 (3021, 3022) | gi113161[sp]P28614[ACOR_ALCEU - ACETOIN CATABOLISM REGULATORY PROTEIN | | UNCLASSIFIED | 264259, 29331822, 29331824, 29331827, 264509, 264907, 264510, 264511, 265007, 264512, 265008, 87168559, 264288, 265022, 33657023, 35695855, 264637, 264638, 264563 | |
| 1512 | 95345390 (3023, 3024) | Novel Protein sim. GBank | Contains protein domain (PF01163) - RIO1/ZK632.3/MJ0444 family | | 52645156, 18108396, 56994075, 60432289, 265006, 60433356, 60433438, 21906754, 87168474, 87168559, 265018, 264762, 264763, 264687, 21906765, 21906769, 27486262, 35695763, 18108374, 35696423, 264555, 18108385, 18108387, 18108388, 87168518, 264482 | |
| 1513 | 87436228 (3025, 3026) | Novel Protein sim. GBank gi11330394 (U58761) - C01F1.6 gene product [Caenorhabditis elegans] | | | 35696052, 264905, 264906, 264907, 264908, 264909, 264910, 264591, 264766, 264689, 264692, 264629, 264636 | |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 1514 | 95345392 (3027, 3028) | Novel Protein sim. GBank gi 4559353 gb AAD23014.1 AC006585 - (AC006585) putative extragenic suppressor protein [Arabidopsis thaliana] | Contains protein domain (PF01163) - RIO1/ZK632.3/MJ0444 family | UNCLASSIFIED | 52644507, 52645156, 52646365, 52646842, 65274572, 22278994, 35698286, 58994075, 264259, 52645080, 29331822, 29331825, 35696052, 29331830, 52644045, 58182435, 265006, 60433358, 60433438, 55812038, 21905754, 52646317, 52644296, 87168474, 87168559, 264448, 52644229, 21906765, 21906766, 21906767, 21906768, 35695917, 265020, 52644150, 33657023, 52645129, 33657109, 33657182, 27486261, 27486262, 27486264, 27486265, 35695763, 18108376, 35696423, 35695855, 52644332, 18108385, 18108387, 87168518, 60433213 265020, 264639 |
| 1515 | 79163536 (3028, 3030) | Novel Protein sim. GBank gi 3879501 emb CAA87795 - (Z47812) similar to ubiquitin carboxyl-terminal hydrolase; cDNA EST EMBL:D33366 comes from this gene; cDNA EST EMBL:D33965 comes from this gene; cDNA EST EMBL:D33822 comes from this gene; cDNA EST EMBL:D34547 comes from this ge.... | ubiquitin | | |
| 1516 | 86073539 (3031, 3032) | Novel Protein sim. GBank gi 498015 (L27479) - X123 [Homo sapiens] | | UNCLASSIFIED | 265008, 56182323, 22279002 |
| 1517 | 87793325 (3033, 3034) | Novel Protein sim. GBank gi 3415134 (AF082024) - Phyb1 [Pimpinella brachycarpa] | | | 264091, 18108370, 264404 |
| 1518 | 87350697 (3035, 3036) | Novel Protein sim. GBank gi 728838 sp P39195 ALU8_HUMAN - IIII ALU SUBFAMILY SX WARNING ENTRY IIII | Im7 | | 66714117, 264508, 264509, 264905, 264510, 264910, 264591, 264595, 264288, 264766, 264769, 18108374, 264636, 264638, 264486 264569, 264489, 60432049, 265009, 33657402, 264596, 21908754, 265019, 264369, 21908765, 21908768, 21908769, 264691, 65274620, 33657182, 27486261, 18108374, 264557, 264639, 87168518, 22279002 |
| 1519 | 94328689 (3037, 3038) | Novel Protein sim. GBank gi 5262681 emb CAB45771.1 - (AL080198) hypothetical protein [Homo sapiens] | | | |
| 1520 | 87592855 (3039, 3040) | Novel Protein sim. GBank gi 2662161 db BAA23712 - (AB007900) HH0452 cDNA clone for KIAA0440 has a 438- bp insertion at position 1711 of the sequence of KIAA0440. [Homo sapiens] | UNCLASSIFIED | | 18108392, 60432049, 264259, 29331824, 265007, 60433356, 265010, 21906768, 264636 |
| 1521 | 86970696 (3041, 3042) | Novel Protein sim. GBank gi 5052351 gb AAD38516.1 AF13542 - (AF13542) GDP- mannose pyrophosphorylase B [Homo sapiens] | Contains protein domain (PF00483) - Nucleotidyl transferase | synthase | 18108394, 264259, 66714117, 265011, 264603, 265019, 18108364, 35698423, 264557, 264558, 18108388 |
| 1522 | 78960687 (3043, 3044) | | | UNCLASSIFIED | 29331824, 265018, 265020, 265021 |
| 1523 | 91005151 (3045, 3046) | Novel Protein sim. GBank gi 3776587 (AC005388) - Strong similarity to F2187.33 gi 2809284 from A. thaliana BAC gb AC002560. EST gb N65119 comes from this gene. [Arabidopsis thaliana] | UNCLASSIFIED | | 65274572, 21906768, 264693 |
| 1524 | 80203723 (3047, 3048) | | | | |
| 1525 | 87799867 (3049, 3050) | Novel Protein sim. GBank gi 4759040 ref NP_004283.1 pRIN1 - ras inhibitor | | UNCLASSIFIED | 264112, 21906754, 263974 264683, 264687, 264689, 264690, 264692, 264693 |

| | | | | | |
|------|-----------------------|--|---|--------------|---|
| 1526 | 95105344 (3051, 3052) | Novel Protein sim. GBank gil728850 sp P08640 AMYH_YEAST - GLUCOAMYLASE S1/S2 PRECURSOR (GLUCAN 1,4-ALPHA- GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE) | | glycoprotein | 35696286, 56182181, 60431735, 284595, 55812038, 264605, 264683, 21906765, 55811957, 265020, 65274791, 264555, 264556, 264557, 264558, 264559, 83373044 |
| 1527 | 80262512 (3053, 3054) | Novel Protein sim. GBank gil2792496 (AF041107) - tulip 2 [Rattus norvegicus] | | | 56182575, 264259, 60432049, 29331822, 60432289, 264908, 66712502, 60433438, 87168559, 265017, 264288, 21906768, 21906769, 263977, 55811576, 56182323, 18108381 |
| 1528 | 94130918 (3055, 3056) | | | UNCLASSIFIED | 22278995, 22278997, 264259, 66712502, 264596, 265017, 265019, 264682, 264448, 264683, 264764, 264685, 264686, 21906765, 21906766, 21906767, 21906768, 21906769, 265022, 264693, 83373044, 18108385 |
| 1529 | 94120793 (3057, 3058) | Novel Protein sim. GBank gil406663 gb AAD20053] - (AF131826) Unknown [Homo sapiens] | | UNCLASSIFIED | 264488, 263994, 56182575, 22278995, 35696286, 22278997, 264259, 29331822, 60432289, 29331827, 35696052, 264509, 264906, 264907, 264908, 264909, 52644045, 56182435, 264511, 265009, 264910, 60433356, 60433438, 265017, 265018, 264760, 264448, 264764, 264369, 264288, 264766, 18108357, 264768, 52644229, 21906765, 21906766, 21906767, 21906768, 265021, 265022, 52644150, 33657109, 264629, 35695855, 80432113, 22279002, 264563, 264564, 264486, 264567 264488, 264489, 35696286, 29331825, 35696052, 264508, 264905, 264906, 264907, 264909, 264510, 264511, 264512, 264910, 264592, 264595, 18108351, 264764, 264683, 264684, 264766, 264768, 18108357, 264769, 35695917, 264628, 264629, 18108374, 35695855, 264630, 264631, 264634, 264555, 264636, 264637, 264404, 264563, 264566, 264486 |
| 1530 | 95012765 (3059, 3060) | Novel Protein sim. GBank gil2828710 (AF043642) - maltrin cyclophilin [Rattus norvegicus] | | | 56182575, 35696286, 264097, 264259, 29331822, 29331825, 29331826, 29331827, 35696052, 264509, 56182435, 264510, 264511, 265007, 60433356, 55811386, 264681, 264369, 264288, 264766, 264687, 55811957, 35695917, 33657023, 35695763, 55810764, 35696423, 55811576, 263981, 60170394, 56182323, 83373044, 60432113, 264566 |
| 1531 | 95419351 (3061, 3062) | Novel Protein sim. GBank gil1905874 (U90878) - carboxyl terminal LIM domain protein [Homo sapiens] | Contains protein domain (PF00595) - PDZ domain (Also known as DHR or GLGF). | kinase | |

| | | | | | |
|------|-----------------------|--|------------------|--|--|
| 1532 | 85718224 (3063, 3064) | Novel Protein sim. GBank gij3874716[emb CAA91265] - (Z66494) cDNA EST EMBL:D65271 comes from this gene; cDNA EST EMBL:D64845 comes from this gene; cDNA EST EMBL:D64449 comes from this gene; cDNA EST EMBL:D67438 comes from this gene; cDNA EST EMBL:D68087 comes from this gene; cDN... | | UNCLASSIFIED | 264689 |
| 1533 | 94239830 (3065, 3066) | Novel Protein sim. GBank gij1490324[emb CAB01543] - (Z78141) unknown [Mus musculus] | sinud | | 29331824, 29146499, 264907, 264112, 265008, 265011, 265017, 265018, 264762, 18108351, 263967, 20281149, 18108374, 263981, 264566 |
| 1534 | 95343941 (3067, 3068) | Novel Protein sim. GBank gij81286[pir S22697 - extensin - Volvox carteri (fragment)] | UNCLASSIFIED | | 264905, 264907, 264766, 264537 |
| 1535 | 90936732 (3069, 3070) | | | | 65274572, 22278997, 264259, 60432049, 29331822, 60432289, 29331827, 29146499, 265008, 265008, 60170831, 60433438, 33109954, 87168559, 265018, 18108357, 21906768, 29148629, 265021, 265022, 18108377, 58182323, 60432113, 22279000, 22279002 |
| 1536 | 87602856 (3071, 3072) | Novel Protein sim. GBank gij106024[pir B32891 - finger protein 2, placental - human] | transcriptfactor | Contains protein domain (PF00096) - Zinc finger, C2H2 type | 264686, 18108357, 18108394, 21906767, 21906768, 29148629, 35696286, 265020, 265021, 52644150, 264693, 66714117, 29331825, 29331826, 264508, 264905, 20281149, 264909, 18108374, 35696423, 35895855, 265009, 264634, 264636, 264638, 18108385, 56526486, 265017, 265018, 264563, 264762, 18108351, 264448, 264369, 264766 |
| 1537 | 95354555 (3073, 3074) | Novel Protein sim. GBank gij3876332[emb CAB02096] - (Z79754) cDNA EST EMBL:T01054 comes from this gene; cDNA EST EMBL:D73600 comes from this gene; cDNA EST yk426112.5 comes from this gene; cDNA EST yk342110.5 comes from this gene; cDNA EST yk475c5.5 comes from this gene; cDNA ES... | | | 65274572, 56182575, 60432049, 264259, 29331826, 265006, 265007, 60433356, 60433438, 264601, 18108351, 264448, 264369, 264288, 33657023, 65274620, 33657109, 60432113 |
| 1538 | 85724628 (3075, 3076) | Novel Protein sim. GBank gij403440 (M81787) - [Gallus domesticus skeletal muscle mRNA, partial cds.], gene product [Gallus gallus] | kinase | Contains protein domain (PF00069) - Eukaryotic protein kinase domain | 18108394, 18108397, 264909, 265008, 265009, 265010, 18108351, 264638, 18108382, 18108385, 18108388 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 1539 | 95337628 (3077, 3078) | Novel Protein sim. GBank gij3218411[emb]CAA19575.1] - (AL023859) SPBC19C7.07c, putative rRNA splicing endonuclease gamma subunit, len:284aa, similar eg. to YAR008W, YAH8_YEAST, P39707, YAR008W, rRNA splicing endonuclease gamma subunit, (275aa), fasta scores, opt:269, E(1):6.4e-2... | | nuclease | 22278994, 22278996, 35696286, 56994075, 22278997, 22278998, 22278999, 60432049, 264259, 29331822, 29331824, 60424269, 29331825, 60432289, 29331826, 29331827, 29331828, 35696052, 33656970, 56182435, 265009, 33657402, 60433356, 60433438, 55812038, 21906754, 87168559, 265017, 265018, 265019, 18108351, 264288, 52644229, 18108359, 21906764, 21906767, 21906768, 35695917, 265020, 265021, 52644150, 33657023, 33857109, 27486281, 18108370, 18108376, 35696423, 55811576, 65274791, 284558, 56182323, 60170394, 83373044, 87168518, 60432113, 22278000, 22279002, 264566 |
| 1540 | 95332858 (3079, 3080) | Novel Protein sim. GBank gij5052634[g]bAAD38647.1[AF14567] - (AF145672) BcDNA, GH12174 [Drosophila melanogaster] | | UNCLASSIFIED | 264369, 264691, 263978 |
| 1541 | 95317948 (3081, 3082) | Novel Protein sim. GBank gij5052349[g]bAAD38515.1[AF13501] - (AF135016) protein phosphatase 2A 48 kDa regulatory subunit [Homo sapiens] | | phosphatase | 264488, 264489, 22278999, 264259, 29331822, 35696052, 264508, 264509, 264905, 264907, 264908, 264511, 264512, 264910, 264592, 264761, 264762, 264448, 264764, 264288, 264687, 21906769, 55811957, 35695917, 265020, 264691, 33657023, 264692, 33657109, 264628, 18108374, 264632, 264634, 264635, 264639, 18108385, 264563, 264564, 264565, 264566, 264486 |
| 1542 | 90937549 (3083, 3084) | Novel Protein sim. GBank gij5305702[g]bAAD41779.1[AF12686] - (AF126867) calpain-like protease [Mus musculus] | | calhepsin | 18108392, 18108394, 65274572, 29331822, 264508, 265007, 265008, 265009, 265011, 264682, 18108354, 18108355, 52644150, 18108368, 264636, 18108381, 18108382 |
| 1543 | 84348768 (3085, 3086) | Novel Protein sim. GBank gij728832[sp]P39189[ALU2_HUMAN - III] ALU SUBFAMILY SB WARNING ENTRY IIII | | nuclease | 264106, 33109954, 265019, 264683, 35695917, 264690, 264692, 33657109 |
| 1544 | 87757295 (3087, 3088) | Novel Protein sim. GBank gij3493162 (AF084259) - bromodomain-containing protein BP75 [Mus musculus] | Contains protein domain (PF00439) - Bromodomain | nud_rept | 35696286, 56994075, 22278999, 35696052, 60433356, 60433438, 265011, 264683, 33657109, 35696423, 264631, 87168518, 22279000 |
| 1545 | 85757973 (3089, 3090) | Novel Protein sim. GBank gij1086591 (U41007) - similar to S. cerevisiae nuclear protein SNF2 (SP:P22082) in a region of gly-arg repeats [Caenorhabditis elegans] | | UNCLASSIFIED | 264112, 264692, 264693, 55811576 |
| 1546 | 79476589 (3091, 3092) | | | UNCLASSIFIED | 264905, 264686 |
| 1547 | 86999594 (3093, 3094) | Novel Protein sim. GBank gij2661132 (AF035683) - p21 [Mus musculus] | | UNCLASSIFIED | 264259, 29331822, 66714117, 265007, 55811386, 265010, 264600, 265017, 265019, 264288, 264768, 265020, 265022, 55811576, 18108380, 264563 |

| | | | | |
|------|-----------------------|---|---|--|
| 1548 | 94233065 (3095, 3098) | Novel Protein sim. GBank gi 3043692 dbj BAA25510 - (AB011156) KIAA0584 protein [Homo sapiens] | UNCLASSIFIED | 29331824, 60431528, 264639, 56182323 |
| 1549 | 95330048 (3097, 3098) | Novel Protein sim. GBank gi 5699519 dbj BAA83043.1 - (AB029014) KIAA1091 protein [Homo sapiens] | eph | 60424179, 22278995, 35696286, 22278998, 22278999, 264092, 264094, 29331822, 56182181, 29331824, 35696052, 264905, 264906, 264908, 264909, 265006, 264511, 265008, 60431735, 60433356, 21906754, 55811386, 87168559, 265017, 265018, 265019, 55811150, 264682, 264288, 264369, 56181562, 264769, 21906765, 21906768, 21906769, 55811957, 265020, 264691, 33657109, 60431528, 35696423, 35695855, 56526486, 60432113, 22279002, 264563, 264566 |
| 1550 | 95201907 (3099, 3100) | Novel Protein sim. GBank gi 544483 sp P35350 GUSB_BOVIN - POSSIBLE GUSTATORY RECEPTOR TYPE B (PPR1 PROTEIN) | Contains protein domain (PF00001) - 7 transmembrane receptor (rhodopsin family) | 56274572, 60432289, 265008, 264910, 265011, 265017, 265019, 264768, 56182323 |
| 1551 | 88077111 (3101, 3102) | Novel Protein sim. GBank gi 4758568 ref NP_004798.1 pHS6S - heparan-sulfate 6-sulfotransferase | UNCLASSIFIED | 22278999, 29331822, 264508, 264509, 264906, 264907, 264909, 265007, 264512, 264910, 21906754, 265018, 265019, 264681, 264764, 264766, 264688, 264769, 21906769, 264692, 35695763, 264635, 264555, 264556, 264557, 264638, 264558, 264563 |
| 1552 | 87617114 (3103, 3104) | | UNCLASSIFIED | 264259, 29331828, 66712502, 284764, 264288, 264686, 33657109, 264556 |
| 1553 | 94725512 (3105, 3106) | Novel Protein sim. GBank gi 4589570 dbj BAA76807.1 - (AB023180) KIAA0963 protein [Homo sapiens] | Contains protein domain (PF00304) - Gamma-thionins family | 56182575, 35696286, 29146499, 264509, 264907, 264908, 264909, 56182435, 265006, 265008, 265009, 264910, 264757, 264758, 265017, 55811150, 18108351, 264764, 56181562, 35695917, 264693, 33657109, 18108374, 35696423, 65274791, 35695855, 264635, 264555, 56182323, 18108382, 83373044, 22279000 |
| 1554 | 94233069 (3107, 3108) | Novel Protein sim. GBank gi 3043692 dbj BAA25510 - (AB011158) KIAA0584 protein [Homo sapiens] | Contains protein domain (PF00446) - Gonadotrophin-releasing hormones | 35696286, 22278997, 264259, 29331822, 29331824, 29331825, 29331828, 265007, 265009, 60432229, 33657402, 55812038, 265011, 265019, 264681, 264369, 264686, 264767, 264768, 21906765, 21906769, 35695917, 264693, 18108370, 60431528, 55811576, 264631, 60170394, 56182323, 83373044, 18108385, 22279000, 22279002 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 1555 | 87332970 (3109, 3110) | Novel Protein sim. GBank gi 2257485 dbj BAA21392 - (AB004534) pI015 [Schizosaccharomyces pombe] | Contains protein domain (PF00400) - WD domain, G-beta repeat | UNCLASSIFIED | 264259, 29331826, 35696052, 264508, 264905, 264908, 264907, 264908, 52644045, 264909, 264910, 60432229, 60433356, 55812038, 264758, 264759, 33657084, 265011, 87168559, 264601, 265018, 265019, 264763, 264764, 264288, 264766, 264768, 21906765, 35695917, 265022, 264691, 33657023, 35696423, 35695855, 264635, 264555, 264636, 264638, 264639, 18108385, 56526486 |
| 1556 | 91228268 (3111, 3112) | | | UNCLASSIFIED | 33373044, 264758, 265022, 264600, 35696052, 264630, 35696423, 265018, 264632, 264682, 29331822, 265020, 265011 |
| 1557 | 87640609 (3113, 3114) | Novel Protein sim. GBank gi 3329611 (AF078783) - contains similarity to C3HC4-type zinc fingers (Pfam; zC3HC4.hmm, score: 34.08); most similar to drosophila goliath protein (SW: Q06003) [Caenorhabditis elegans] | Contains protein domain (PF00097) - Zinc finger, C3HC4 type (RING finger) | UNCLASSIFIED | 60432289, 264509, 264906, 264907, 264908, 264909, 264910, 264758, 55811386, 264761, 264762, 264766, 264769, 264690, 263978, 264634, 264635, 264639, 264584, 264486 |
| 1558 | 94640376 (3115, 3116) | Novel Protein sim. GBank gi 5360105 gb AAD42871.1 AF155105 - (AF155105) putative zinc finger protein NY-REN-34 antigen [Homo sapiens] | | | 22278994, 22278996, 22278997, 22278998, 22278999, 60432049, 264259, 29331824, 29331825, 29331826, 29331827, 264908, 264909, 60433356, 21906754, 265017, 265018, 264448, 21906767, 265021, 265022, 33657023, 33657109, 18108370, 55811576, 83373044, 87168518, 22278900, 22279002 |
| 1559 | 88224865 (3117, 3118) | Novel Protein sim. GBank gi 112908 sp P02750 A2GL_HUMAN - LEUCINE-RICH ALPHA-2-GLYCOPROTEIN (LRG) | Contains protein domain (PF00560) - Leucine Rich Repeat | glycoprotein | 264259, 29331822, 60432289, 35696052, 264107, 264110, 21906754, 33109954, 87168559, 264760, 264763, 21906764, 21906765, 21906769, 265021, 264690, 35695855 |
| 1560 | 84580675 (3119, 3120) | Novel Protein sim. GBank gi 3880146 emb CAA92704 - (Z68319) Similarity to Human hnRNP F protein (PIR Acc. No. S43484); cDNA EST EMBL:D34218 comes from this gene; cDNA EST EMBL:D37248 comes from this gene; cDNA EST EMBL:D71817 comes from this gene; cDNA EST EMBL:D74531 comes from... | | UNCLASSIFIED | 264908, 264603, 264638 |
| 1561 | 86609159 (3121, 3122) | | | | 264510, 264594 |
| 1562 | 83359682 (3123, 3124) | | | UNCLASSIFIED | 263967 |
| 1563 | 85508694 (3125, 3126) | | | UNCLASSIFIED | 264910, 264764, 264766 |
| 1564 | 87766371 (3127, 3128) | Novel Protein sim. GBank gi 1168287 sp P45953 ACDV_RAT - ACYL-COA DEHYDROGENASE, VERY-LONG-CHAIN SPECIFIC PRECURSOR (VLCAD) | Contains protein domain (PF00441) - Acyl-CoA dehydrogenase | UNCLASSIFIED | 18108394, 35696286, 264259, 29331822, 60432289, 35696052, 29331828, 264508, 66712502, 264908, 56182435, 265007, 264910, 60170831, 21906754, 265011, 265017, 265018, 265019, 18108351, 264448, 264288, 264686, 21906765, 21906768, 265021, 60170815, 264692, 35696423, 35695855, 264557, 56182323, 60432113, 22279002, 264482 |

| | | | | | |
|------|-----------------------|---|--|------------------|--|
| 1565 | 87783381 (3129, 3130) | Novel Protein sim. GBank gij129726[sp]P05307[PD]_BOVIN - PROTEIN DISULFIDE ISOMERASE PRECURSOR (PDI) (PROLYL 4-HYDROXYLASE BETA SUBUNIT) (CELLULAR THYROID HORMONE BINDING PROTEIN) (P55) | | isomerase | 264488, 264689, 18108398, 55811957, 264534, 264259, 264508, 264905, 264509, 264908, 18108372, 264510, 264511, 264512, 265008, 264630, 265009, 264910, 264635, 264636, 264591, 264555, 264592, 264637, 264593, 264594, 264595, 264596, 265011, 264603, 22279002, 18108351, 264762, 264565, 284567 |
| 1566 | 87424749 (3131, 3132) | Novel Protein sim. GBank gij3880445[emb]CAA20329[AL031266] VM106R.1 [Caenorhabditis elegans] | | inf | 22278996, 22278999, 264259, 29331822, 29331824, 60432289, 29331827, 66712502, 264908, 265008, 18108351, 52644229, 21906765, 21906767, 21906768, 21906769, 33657109, 264555, 264639, 264482 |
| 1567 | 84999006 (3133, 3134) | Novel Protein sim. GBank gij4929699[gb]AAD34110.1[AF15187] CGI-115 protein [Homo sapiens] | | UNCLASSIFIED | 56182575, 21906769, 264692 |
| 1568 | 87648761 (3135, 3136) | Novel Protein sim. GBank gij4827063[ref]NP_005072.1[pZNF1 - zinc finger protein 142 (clone pHZ-49)] | Contains protein domain (PF00096) - Zinc finger, C2H2 type | transcriptfactor | 29331827, 29331830, 264511, 265009, 264758, 21906767, 21906768, 264691, 264693, 22279000, 22279002 |
| 1569 | 90936668 (3137, 3138) | Novel Protein sim. GBank gij5689451[dbj]BAA83009.1[AB028980] KIAA1057 protein [Homo sapiens] | Contains protein domain (PF00443) - Ubiquitin carboxyl-terminal hydrolase family 2 | ubiquitin | 65274572, 29331822, 29331824, 29331828, 264905, 56182435, 265007, 265019, 264764, 21906765, 21906769, 55811957, 60170615, 52644150, 264692, 33657023, 33657109, 18108377, 264563, 264567 |
| 1570 | 86843981 (3139, 3140) | Novel Protein sim. GBank gij1255430 (U53155) - No definition line found [Caenorhabditis elegans] | | UNCLASSIFIED | 264595, 264682, 265021 |
| 1571 | 91210340 (3141, 3142) | Novel Protein sim. GBank gij4507731[ref]NP_001061.1[pTUBG - tubulin, gamma polypeptide] | Contains protein domain (PF00091) - Tubulin/FtsZ family | tubulin | 22278996, 35696286, 22278997, 264091, 264259, 29331824, 29331825, 29331827, 35696052, 264508, 264905, 56182435, 264510, 265007, 264758, 265011, 18108351, 264448, 264288, 264369, 21906765, 21906767, 21906768, 21906769, 35695917, 265020, 265021, 33657023, 264693, 18108370, 18108377, 35696423, 35695855, 264634, 264555, 264558, 18108384 |
| 1572 | 81201664 (3143, 3144) | | | UNCLASSIFIED | 35696052, 264905, 264906, 264908, 264910, 264758, 264766, 35695917, 264637 |
| 1573 | 80207066 (3145, 3146) | | | UNCLASSIFIED | 263972 |

| | | | | | |
|------|-----------------------|--|--|--------------|---|
| 1574 | 94216142 (3147, 3148) | Novel Protein sim. GBank gij4758334[ref]NP_004256.1pFADS - delta-6 fatty acid desaturase | Contains protein domain (PF00173) - Heme-binding domain in cytochrome b5 and oxidoreductases | cytochrome | 18108394, 264887, 18108397, 18108398, 22278996, 22278997, 22278999, 264259, 29331825, 29331827, 29146498, 29146499, 264107, 264907, 264909, 5264045, 264511, 265008, 264910, 265009, 264591, 21906754, 265011, 265019, 18108351, 264682, 264763, 264764, 18108354, 264369, 264288, 264685, 264766, 264686, 264768, 264688, 21906765, 21906766, 21906767, 21906768, 21906769, 29146629, 264690, 264691, 264693, 20281069, 18108370, 18108374, 18108379, 35695855, 264634, 18108384, 18108385, 22279002, 264563, 264566 |
| 1575 | 95340019 (3149, 3150) | Novel Protein sim. GBank gij3881810[emb]CAA94856] - (Z70783) similar to EF-hand calcium binding protein; cDNA EST EMBL:CO8700 comes from this gene [Caenorhabditis elegans] | Contains protein domain (PF00036) - EF hand | phosphatase | 56994075, 264259, 29331822, 29331824, 29331825, 60432289, 29331826, 264909, 265006, 265008, 265009, 265010, 87168559, 55811150, 264448, 18108354, 264369, 264288, 18108357, 55811957, 265020, 265021, 60170615, 264691, 33657023, 33657109, 60431528, 65274791, 35695855, 18108385, 60432113, 22279002, 264482 |
| 1576 | 95314019 (3151, 3152) | Novel Protein sim. GBank gij2773195 (AF039711) - contains similarity to Physcomitrella patens glyceraldehyde 3-phosphate dehydrogenase (GB:X72381) [Caenorhabditis elegans] | | UNCLASSIFIED | 264569, 264092, 264094, 264095, 264259, 264508, 264905, 264509, 264907, 264909, 264510, 264511, 265006, 264910, 21906754, 265010, 265011, 87168559, 264761, 264762, 264288, 264768, 264769, 264691, 264693, 35695855, 264632, 264634, 264635, 264638, 83373044, 264488 |
| 1577 | 87613800 (3153, 3154) | Novel Protein sim. GBank gij2499130[sp]P70315[WASP_MOUSE - WISKOTT- ALDRICH SYNDROME PROTEIN HOMOLOG (WASP)] | | UNCLASSIFIED | 264511, 265011, 264681, 264369, 264686, 264689, 264629, 264555, 264558, 264559 |
| 1578 | 87123138 (3155, 3156) | | | | 264259, 29331826, 265017, 264689, 264693, 60432113 |
| 1579 | 88085141 (3157, 3158) | Novel Protein sim. GBank gij2978255[db]BAA25190] - (AB007407) myeloid zinc finger protein-2 [Mus musculus] | Contains protein domain (PF00096) - Zinc finger, C2H2 type | UNCLASSIFIED | 35696286, 264908, 264909, 60433438, 55811386, 264369, 264685, 33657023, 264555, 264556, 264557, 87168518 |
| 1580 | 87255702 (3159, 3160) | Novel Protein sim. GBank gij4324682[gb]AAD16986] - (AF109874) late gestation lung protein 1 [Rattus norvegicus] | Contains protein domain (PF00188) - SCP-like extracellular protein | glycoprotein | 22278999, 35696052, 29331830, 5264045, 55812038, 87168474, 265018, 264448, 265022, 264638, 56526486, 22279000 |
| 1581 | 95087431 (3161, 3162) | Novel Protein sim. GBank gij2088838 (AF003386) - F59E12.4 gene product [Caenorhabditis elegans] | | | 22278995, 29331822, 29331824, 29331826, 56182435, 264595, 55812038, 87168559, 265017, 264288, 21906764, 55811957, 35695917, 264692, 55811576, 264637, 56182323, 264559, 83373044, 60432113 |

| | | | | | |
|------|-----------------------|---|---|---------------|--|
| 1582 | 95358052 (3163, 3164) | Novel Protein sim. GBank gi 5420387 emb CAB46679.1 - (AJ243459) proteophosphoglycan [Leishmania major] | | phosphatase | 264259, 60432289, 29331827, 264509, 264905, 264906, 264907, 264909, 264910, 264762, 264288, 264768, 264769, 264632, 264555, 264639, 56526486, 22279000 |
| 1583 | 87622715 (3165, 3166) | Novel Protein sim. GBank gi 5578958 emb CAB51351.1 - (AL050306) dJ475B7.2 (novel protein) [Homo sapiens] | | UNCLASSIFIED | 60170831, 33657402, 264682, 21906766, 35695855, 264563 |
| 1584 | 95337722 (3167, 3168) | Novel Protein sim. GBank gi 5531815 gb AAD44482.1 - (AF078850) steroid dehydrogenase homolog [Homo sapiens] | Contains protein domain (PF00106) - short chain dehydrogenase | dehydrogenase | 60424179, 52646842, 65274572, 56182575, 22278995, 35696286, 22278996, 22278998, 22278999, 264259, 29331822, 56182181, 60424269, 60432289, 29331827, 29331828, 35696052, 29146498, 66712502, 29331830, 52644045, 56182435, 264510, 264512, 265008, 60433356, 33657402, 60433438, 55812038, 21906754, 55811386, 52644296, 87168474, 87168559, 265018, 265019, 264448, 264369, 264288, 18108358, 21906765, 21906767, 21906768, 21906769, 35695917, 265020, 265021, 265022, 52644150, 33657023, 33657109, 18108374, 55810764, 55811576, 35696423, 65274791, 35695855, 56182323, 83373044, 18108387, 87168518, 60432113, 22279002 |
| 1585 | 87626117 (3169, 3170) | Novel Protein sim. GBank gi 4240132 dbj BAA74846.1 - (AB020630) KIAA0823 protein [Homo sapiens] | Contains protein domain (PF00023) - Ank repeat | phosphatase | 35696286, 22278998, 264259, 29331822, 29331824, 29331825, 264905, 265006, 265007, 265008, 60433356, 33109954, 87168474, 265011, 265017, 264604, 264369, 264288, 264685, 264769, 18108359, 21906765, 18108364, 18108370, 264629, 263972, 18108383, 18108388, 264482, 264564 |
| 1586 | 88067081 (3171, 3172) | Novel Protein sim. GBank gi 3786494 (AF088993) - No definition line found [Caenorhabditis elegans] | | | 265017, 265018, 264689, 33657023, 263978, 264636, 264563 |
| 1587 | 87617126 (3173, 3174) | Novel Protein sim. GBank gi 3253159 (AF005355) - translation initiation factor eIF2C [Oryctolagus cuniculus] | | UNCLASSIFIED | 264907, 264908, 264511, 264910, 264591, 264594, 264629, 264631, 264563, 264483, 264567 |
| 1588 | 87802536 (3175, 3176) | Novel Protein sim. GBank gi 1077573 pir S52680 - probable ribosomal protein L34, mitochondrial - yeast [Saccharomyces cerevisiae] | Contains protein domain (PF00468) - Ribosomal protein L34 | UNCLASSIFIED | 264259, 29331828, 264905, 265006, 264758, 21906754, 264761, 264762, 21906765, 21908769, 60170615, 52644150, 33657109, 35695855, 56182323, 18108385 |
| 1589 | 90980653 (3177, 3178) | Novel Protein sim. GBank gi 2137756 pir I48746 - semaphorin C - mouse (fragment) | | UNCLASSIFIED | 65274572, 264490, 29331822, 66714117, 29331827, 29331828, 56182435, 265008, 60170831, 264595, 264758, 264596, 265011, 264686, 21906766, 21906768, 55811957, 27486265, 264639, 18108385, 56526486, 60432113 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 1590 | 95319825 (3179, 3180) | | | UNCLASSIFIED | 264489, 22278996, 264259, 29331824, 29331825, 29331826, 29331827, 265006, 60433356, 21906754, 265017, 265018, 265019, 264448, 264765, 264288, 52644229, 21906765, 21906767, 21906768, 21906769, 265021, 264692, 27486265, 35695783, 56526486, 60432113, 22279000, 22279002, 264564 |
| 1591 | 86977160 (3181, 3182) | Novel Protein sim. GBank | | MHC | |
| 1592 | 87882533 (3183, 3184) | gi 4557749 ref NP_000237.1 pMHC2 - MHC class II transactivator | | | |
| 1593 | 94991661 (3185, 3186) | | | UNCLASSIFIED | 65274572, 60432049, 264509, 60433356, 21906754, 21906767, 21906768, 18108370, 35696423, 22279000, 264565, 264567 |
| 1594 | 87773752 (3187, 3188) | Novel Protein sim. GBank gi 3877072 emb CAA87060 - (Z46937) similarity with ribosomal protein L21 [Caenorhabditis elegans] | | UNCLASSIFIED | 264488, 29331827, 264905, 264906, 264907, 264908, 264909, 264910, 264592, 264593, 264757, 264602, 264604, 264760, 264681, 264288, 264766, 264768, 29148629, 35695917, 264692, 264628, 264629, 264630, 264632, 264634, 264635, 264636, 264639, 264563, 264564, 264566 |
| 1595 | 79919425 (3189, 3190) | Novel Protein sim. GBank gi 3152703 (AF065389) - tetraspan NET-4 [Homo sapiens] | Contains protein domain (PF00335) - 4 transmembrane segments integral membrane proteins | UNCLASSIFIED | 29331826, 264908, 55811957 |
| 1596 | 79933928 (3191, 3192) | Novel Protein sim. GBank | | UNCLASSIFIED | 29146498, 264758, 263967 |
| 1597 | 86971857 (3193, 3194) | gi 5257114 gb AAD41244.1 AF09448 - (AF094480) cholesterol 24-hydroxylase [Homo sapiens] | Contains protein domain (PF00067) - Cytochrome P450 | | 264092, 29331824, 264508, 264682, 264369, 264686, 264630, 264563 |
| 1598 | 87862939 (3195, 3196) | Novel Protein sim. GBank | | | 264259, 294634 |
| 1599 | 87849829 (3197, 3198) | gi 4506797 ref NP_000324.1 pSCA7 - spinocerebellar ataxia 7 (olivopontocerebellar atrophy with retinal degeneration) | Contains protein domain (PF01581) - FMRFamide related peptide family | UNCLASSIFIED | 52645080, 29331824, 29331826, 264511, 265009, 265011, 264605, 264448, 264764, 265020, 264692, 264693, 18108370, 264635, 18108385 |
| 1600 | 80056002 (3199, 3200) | | | | |
| 1601 | 15023246 (3201, 3202) | Novel Protein sim. GBank | | UNCLASSIFIED | 264635 |
| 1602 | 86926987 (3203, 3204) | gi 5305704 gb AAD41780.1 AF12853 - (AF128535) cytoplasmic phosphoprotein PACSIN2 [Mus musculus] | Contains protein domain (PF00018) - SH3 domain | struct | 29146499, 264112, 264762, 18108351, 29148627, 263974 |
| 1603 | 80502072 (3205, 3206) | Novel Protein sim. GBank gi 283920 pir S27939 - tensin - chicken | collagen | | |
| 1604 | 80221813 (3207, 3208) | Novel Protein sim. GBank gi 4768831 gb AAD29633.1 AF116827 - (AF116827) unknown [Homo sapiens] | ATPase-associated | | 264490, 29331824, 264907, 264909, 264511, 265008, 264592, 265010, 265011, 264762, 264764, 264369, 264288, 264687, 264769, 264693, 264628, 264634, 264636, 264555, 264556, 264638, 264557, 264558, 264559, 18108385 |
| | | | | | 263977 |

| | | | | | |
|------|-----------------------|---|--|------------------|--|
| 1605 | 91221129 (3209, 3210) | | | struct | 264905, 264509, 264906, 264907, 264908, 264909, 264804, 264766, 264768, 264692, 264693, 33657109, 264629, 35695855, 264635, 264636, 264637 |
| 1606 | 94312703 (3211, 3212) | Novel Protein sim. GBank gi 4505313 ref NP_003794.1 p MYOM - UNKNOWN | Contains protein domain (PF000047) - Immunoglobulin domain | struct | 22278996, 22278999, 264259, 33657402, 265017, 18108351, 264448, 21906767, 21906769, 52644150, 264691, 87168518 |
| 1607 | 10871805 (3213, 3214) | Novel Protein sim. GBank gi 5174473 ref NP_005888.1 p PPI - Intracisternal A particle-promoted polypeptide | | transcriptfactor | 264689 |
| 1608 | 80428900 (3215, 3216) | Novel Protein sim. GBank gi 2224629 dbj BAA20802 - (AB002342) KIAA0344 [Homo sapiens] | | UNCLASSIFIED | 264094, 264906, 264907, 264909, 264910, 264591, 264603, 264768, 264693, 264634, 264635, 264637, 264639 |
| 1609 | 94311572 (3217, 3218) | Novel Protein sim. GBank gi 4884073 emb CAB43213.1 - (AL049934) hypothetical protein [Homo sapiens] | | | 52644507, 52645156, 52646365, 52646842, 56182575, 22278994, 56994075, 35696286, 22278997, 22278998, 22278999, 264259, 52645080, 29147620, 29331828, 35696052, 33656970, 264508, 264509, 264907, 52644045, 56182435, 264510, 264511, 264512, 33657402, 21906754, 52646317, 33109954, 52644296, 87168474, 265017, 265018, 265019, 18108351, 264448, 264288, 264769, 52644229, 21906765, 21906766, 21906767, 21906768, 21906769, 55811957, 35695917, 265020, 265021, 265022, 52644150, 33657023, 33657109, 52645129, 27486261, 27486262, 35695763, 264628, 18108370, 18108376, 35696423, 264638, 52644332, 18108387, 87168518, 22279000, 264563, 264486 |
| 1610 | 85468200 (3219, 3220) | Novel Protein sim. GBank gi 283920 pir S27939 - tensin - chicken | | UNCLASSIFIED | 264593, 264757, 55812038, 265018, 265020, 264691, 264692, 264693, 264631, 264634, 264635, 264555, 22279000, 264564 |
| 1611 | 94122843 (3221, 3222) | Novel Protein sim. GBank gi 107284 pir J35415 - peroxidase (EC 1.11.1.7), thyroid (Grave's disease) - human (fragment) | Contains protein domain (PF00008) - EGF-like domain | peroxidase | 35696286, 21906765, 264691, 35696423 |
| 1612 | 85746031 (3223, 3224) | Novel Protein sim. GBank gi 3874846 emb CAA94337 - (Z70307) Similarly to B.subtilis tetracycline resistance protein (SW:TCR2_BACSU); cDNA EST EMBL:C09951 comes from this gene; cDNA EST EMBL:C08265 comes from this gene [Caenorhabditis elegans] | | UNCLASSIFIED | 264488, 264509, 18108370, 18108387, 264486 |
| 1613 | 82247354 (3225, 3226) | | | UNCLASSIFIED | 264759 |

| | | | | | |
|------|-----------------------|--|--|------------------|--|
| 1614 | 91228634 (3227, 3228) | Novel Protein sim. GBank gi4680673 gb AAD27726.1 AF13295 - (AF132951) CGI-17 protein [Homo sapiens] | Contains protein domain (PF01605) - eRF1-like proteins | UNCLASSIFIED | 22278995, 22278996, 22278997, 22278998, 22278999, 264259, 29331822, 264908, 264512, 265009, 265011, 265017, 265018, 265019, 18108351, 264683, 264288, 264766, 21906767, 21906768, 21906769, 35695917, 265021, 265022, 35696423, 35695855, 60170394, 56182323, 83373044, 264566 22278996, 35696286, 22278997, 29331822, 35696052, 29331828, 264508, 264908, 264909, 56182435, 264511, 265017, 265019, 264766, 264767, 264768, 265020, 264691, 264628, 264632, 264635, 264555, 264556, 56182323, 264558, 22279002 |
| 1615 | 86121909 (3229, 3230) | Novel Protein sim. GBank gi5689485 dbj BAA83026.1 - (AB028997) KIAA1074 protein [Homo sapiens] | Contains protein domain (PF00023) - Ank repeat | homeobox | 264488, 52644507, 52645156, 52646365, 52646842, 22278994, 22278995, 35696286, 22278996, 22278997, 22278999, 52645080, 29331822, 29331824, 29331825, 29331827, 29331828, 35696052, 33656970, 264905, 264909, 264594, 52646317, 21906754, 33657084, 52644296, 87168474, 87168559, 265017, 265018, 265019, 264681, 264448, 264684, 52644229, 21906764, 264689, 21906765, 21906766, 21906769, 35695917, 265020, 265021, 52644150, 33657023, 52645129, 33657109, 33657182, 27486261, 27486262, 33657349, 27486265, 35695783, 18108376, 35696423, 35695855, 264557, 52644332, 264558, 18108385, 87168518 |
| 1616 | 94311819 (3231, 3232) | Novel Protein sim. GBank gi3876260 emb CAB01696 - (Z78418) cDNA EST EMBL:D71020 comes from this gene; cDNA EST EMBL:D73593 comes from this gene; cDNA EST EMBL:C07649 comes from this gene; cDNA EST EMBL:C09081 comes from this gene; cDNA EST yk399f2.3 comes from this gene; cDNA ... | | UNCLASSIFIED | 35696052, 264905, 264509, 264907, 264908, 264510, 264511, 264764, 264766, 264768, 264689, 264693, 18108374, 264635, 264636, 264638 |
| 1617 | 88090742 (3233, 3234) | Novel Protein sim. GBank gi466053 sp P34679 YO41_CAEEL - HYPOTHETICAL 68.7 KD PROTEIN ZK757.1 IN CHROMOSOME III | Contains protein domain (PF01529) - DHC zinc finger domain | peptidase | 35696286, 22278999, 264092, 29331824, 29331825, 35696052, 33657084, 21906765, 27486264 |
| 1618 | 86272860 (3235, 3236) | Novel Protein sim. GBank gi4240231 dbj BAA74894.1 - (AB020678) KIAA0871 protein [Homo sapiens] | | struct | 52646842, 65274572, 22278999, 264259, 29331822, 29331824, 29331825, 29331826, 29331827, 29331828, 35696052, 56182435, 265007, 265008, 264910, 60170831, 60432229, 60433356, 60433438, 265019, 264448, 264288, 264686, 21906768, 265021, 60170615, 33657023, 65274820, 33657109, 18108374, 18108376, 35696423, 35695855, 56182323, 56526486 |
| 1619 | 95354580 (3237, 3238) | Novel Protein sim. GBank gi5031763 ref NP_005515.1 pHRY - hairy (Drosophila)- homolog | Contains protein domain (PF00010) - Helix-loop-helix DNA-binding domain | transcriptfactor | 56182323, 56526486 |
| 1620 | 87344655 (3239, 3240) | Novel Protein sim. GBank gi1351047 sp P45843 SCRT_DROME - SCARLET PROTEIN | | UNCLASSIFIED | 264684 |

| | | | | | | |
|------|-----------------------|---|---|--------------|--------|--|
| 1621 | 67076708 (3241, 3242) | Novel Protein sim. GBank gi 38222553 (AF098788) - nuclear calmodulin-binding protein [Gallus gallus] | Contains protein domain (PF00622) - SPRY domain | UNCLASSIFIED | 264910 | 18108392, 65274572, 18108398, 22278996, 22278997, 22278999, 29146498, 29146499, 264905, 264908, 264909, 264828, 52644045, 264592, 60433356, 21906754, 264602, 265017, 264369, 21906768, 55811957, 265021, 60170615, 264635, 264557, 60170394, 83373044, 18108385, 22279000, 22279002, 264566 |
| 1622 | 94741739 (3243, 3244) | Novel Protein sim. GBank gi 731086 sp P40389 UV22_SCHPO - UV-INDUCED PROTEIN UV22 | | UNCLASSIFIED | | 18108398, 264259, 264909, 56182435, 87168474, 264448, 21906768, 35695917, 264691, 87168518, 264563 |
| 1623 | 87779106 (3245, 3246) | Novel Protein sim. GBank gi 3875666 emb CAB05478 - (283104) cDNA EST EMBL: T00015 comes from this gene; cDNA EST EMBL: D33665 comes from this gene; cDNA EST EMBL: D36540 comes from this gene; cDNA EST yk240f8.3 comes from this gene; cDNA EST yk387c8.3 comes from this gene; cDNA ES... | | UNCLASSIFIED | | 66714117, 29331825, 264909, 265008, 264758 |
| 1624 | 87338178 (3247, 3248) | Novel Protein sim. GBank gi 4588622 dbj BAA76833.1 - (AB023206) KIAA0989 protein [Homo sapiens] | | kinase | | 264489, 22278994, 22278995, 22278996, 35696286, 22278997, 22278998, 22278999, 264092, 264259, 29331824, 29331825, 29331827, 29331828, 264102, 264106, 264508, 33657084, 265017, 265018, 18108351, 264683, 264369, 264288, 21906765, 21906766, 21906767, 21906769, 35695917, 265021, 264691, 65274620, 18108368, 263972, 18108376, 35696423, 264631, 264634, 22279000, 22279002 |
| 1625 | 95354748 (3249, 3250) | Novel Protein sim. GBank gi 5679070 gb AAD46844.1 AF16090 - (AF160904) BcDNA HL05936 [Drosophila melanogaster] | | | | 52644507, 52645156, 52646365, 52646842, 22278994, 56994075, 22278997, 22278998, 22278999, 60432049, 264259, 29331822, 29331824, 66714117, 29331826, 60432289, 29331827, 29331828, 35696052, 264906, 66712502, 264909, 265008, 265009, 60432229, 60433356, 60433438, 21906754, 52646317, 52644296, 265011, 87168559, 264804, 265018, 264448, 264369, 264288, 264766, 52644229, 264689, 21906765, 21906768, 35695917, 265021, 265022, 52644150, 33657023, 65274620, 27486261, 27486262, 27486265, 35695763, 263972, 52644332, 60170394, 87168518, 60432113, 264567 |
| 1626 | 94734369 (3251, 3252) | Novel Protein sim. GBank gi 5679070 gb AAD46844.1 AF16090 - (AF160904) BcDNA HL05936 [Drosophila melanogaster] | | | | 264288 |
| 1627 | 83368773 (3253, 3254) | Novel Protein sim. GBank gi 3668087 (AC004667) - hypothetical protein [Arabidopsis thaliana] | | UNCLASSIFIED | | 264288, 264686, 264767, 22279002 |
| 1628 | 85708459 (3255, 3256) | | | eph | | |

| | | | | | |
|------|-----------------------|---|--|--------------|--|
| 1629 | 84993841 (3257, 3258) | Novel Protein sim. GBank gi 4240175 dbj BAA74866.1 - (AB020650) KIAA0843 protein [Homo sapiens] | | struct | 264555 |
| 1630 | 87779027 (3259, 3260) | | | UNCLASSIFIED | 29331822, 29331827, 265010, 264693, 264634, 22279002 |
| 1631 | 87758454 (3261, 3262) | Novel Protein sim. GBank gi 1915892 emb CAA69995 - (Y08740) tom-1A protein [Gallus gallus] | | UNCLASSIFIED | 55811957, 264259, 33657023, 264693, 29331822, 29331824, 29331827, 29331828, 264906, 264908, 55811576, 264910, 264634, 264636, 264637, 56182323, 264559, 264758, 18108385, 264563, 264764, 264768 |
| 1632 | 87871692 (3263, 3264) | Novel Protein sim. GBank gi 2538501 dbj BAA22896 - (D83850) hepatoma-derived growth factor [Mus musculus] | | UNCLASSIFIED | 264687, 264769, 264691, 264692, 29146499, 264509, 264905, 264907, 264511, 264512, 264482, 264681, 264763, 264682, 264683 |
| 1633 | 87773683 (3265, 3266) | | | | 264488, 264259, 264907, 264908, 264909, 264528, 264629, 264631 |
| 1634 | 85992817 (3267, 3268) | Novel Protein sim. GBank gi 4887229 gb AAD32244.1 AF15075 - (AF150755) microtubule-actin crosslinking factor [Mus musculus] | Contains protein domain (PF00435) - spectrin repeat | struct | 265007, 264637, 22279002 |
| 1635 | 94232600 (3269, 3270) | | | UNCLASSIFIED | 65274572, 22278998, 35696052, 52644045, 264511, 265008, 265009, 265010, 265011, 265018, 265019, 264448, 264369, 21906765, 21906768, 265021, 264690, 264482 |
| 1636 | 80413227 (3271, 3272) | Novel Protein sim. GBank gi 4557511 ref NP_001339.1 pDAPK - death-associated protein kinase 3 | Contains protein domain (PF00069) - Eukaryotic protein kinase domain | UNCLASSIFIED | 22278995, 264594, 264763, 265020, 264558 |
| 1637 | 80070435 (3273, 3274) | | | | |
| 1638 | 87101854 (3275, 3276) | Novel Protein sim. GBank gi 3420051 AC004680 - unknown protein [Arabidopsis thaliana] | | | 21906765, 21906767, 22278998, 35696286, 22278999, 264259, 264692, 264693, 29331824, 33657109, 264508, 264906, 18108370, 264629, 265007, 33657402, 21906754, 264602, 264604, 264764, 264683, 264566, 264288 |
| 1639 | 94322194 (3277, 3278) | Novel Protein sim. GBank gi 5420399 emb CAB46680.1 - (AJ243460) proteophosphoglycan [Leishmania major] | | UNCLASSIFIED | 264488, 18108394, 65274572, 56182575, 35696286, 29331824, 29331826, 29331827, 35696052, 264908, 56182435, 264112, 265006, 265008, 264757, 264758, 55811386, 264603, 264760, 18108351, 264764, 264288, 264766, 264768, 21906767, 55811957, 264691, 33657023, 65274620, 18108370, 55810764, 55811576, 264558, 264639, 83373044, 18108385, 87168518 |

| | | | | | |
|------|-----------------------|--|--|--------------|--|
| 1640 | 94143185 (3279, 3280) | Novel Protein sim. GBank gjl2842469[emb]CAA16847.1] - (AL021747) hypothetical protein [Schizosaccharomyces pombe] | | UNCLASSIFIED | 56182575, 56994075, 35696286, 60432049, 60432289, 29331827, 35698052, 52644045, 56182435, 264510, 265006, 265007, 265008, 264910, 265009, 33657402, 55812038, 265010, 265011, 265017, 265018, 264288, 52644229, 21908765, 21908768, 21908768, 35695917, 265021, 60170615, 52644150, 33657023, 33657109, 33657349, 18108374, 35698423, 65274791, 35695855, 264632, 264555, 56182323, 22279000 |
| 1641 | 87625160 (3281, 3282) | | | UNCLASSIFIED | 29146499, 265006, 265007, 265008, 265009, 55812038, 265010, 265011, 264555, 264556, 264558, 18108383 |
| 1642 | 94312557 (3283, 3284) | Novel Protein sim. GBank gjl1575333 (U60416) - myr 6 myosin heavy chain [Rattus norvegicus] | Contains protein domain (PF01843) - struct DIL domain | | 22278999, 29147620, 29331826, 29331828, 33656970, 55812038, 265010, 265018, 265019, 18108351, 264689, 265020, 265022, 264690, 33657023, 65274620, 35695763, 52644332, 18108381, 60170394, 56182323, 18108388, 87168518, 22279002, 264564 |
| 1643 | 94131766 (3285, 3286) | | | | 29331825, 29331827, 29331828, 21906754, 265019, 264288, 264693, 33657349, 18108370, 18108376, 264555, 83373044, 22279002, 264482 |
| 1644 | 88095125 (3287, 3288) | | | UNCLASSIFIED | 264905, 264907, 264908, 264910, 265009, 264757, 264758, 264761, 264762, 264763, 264766, 264768, 264769, 264628, 264629, 264630, 264631, 264632, 264563, 264564, 264565, 264566, 264567 |
| 1645 | 95013858 (3289, 3290) | | | UNCLASSIFIED | 264685, 264693 |
| 1646 | 95362691 (3291, 3292) | Novel Protein sim. GBank gjl1076802[pir]S49915 - extensin like protein - maize | | UNCLASSIFIED | 22278994, 56994075, 35696286, 264259, 29331824, 29331825, 29331826, 60432289, 264508, 60433356, 60433438, 87168559, 265018, 264687, 35695917, 264692, 33657023, 33657182, 27486261, 27486265, 33657349, 60432113, 264563, 264564 |
| 1647 | 94278428 (3293, 3294) | Novel Protein sim. GBank gjl5002573[emb]CAB44338.1] - (Y17466) alpha-N-acetylgalactosamine alpha-2,6-sialyltransferase [Fugu rubripes] | | UNCLASSIFIED | 29331822, 264906, 264908, 264369, 21906768, 60170615, 264639, 22279000 |
| 1648 | 87642098 (3295, 3296) | | Contains protein domain (PF00096) - Zinc finger, C2H2 type | UNCLASSIFIED | 265009, 264686, 55811957, 35695917, 55810764, 264556, 56182323, 264558, 18108385 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 1849 | 95347628 (3297, 3298) | Novel Protein sim. GBank gi 854065 emb CAA58337 - (X83413) U88 [Human herpesvirus 6] | | cadherin | 264488, 22278995, 35696286, 22278996, 22278997, 22278999, 60432049, 264259, 29331822, 29331824, 29331825, 29331826, 29331827, 29331828, 264905, 264907, 66712502, 264908, 52644045, 264909, 56182435, 264511, 265007, 265008, 265009, 264591, 264593, 60433438, 264596, 55812038, 21906754, 265011, 264601, 264602, 265017, 265018, 265019, 264682, 264448, 264764, 264683, 264288, 264766, 264685, 264687, 264768, 264688, 264769, 52644229, 264689, 21906765, 21906766, 21906767, 21906768, 55811957, 35695917, 265021, 265022, 52644150, 264692, 33657023, 33657109, 20281149, 18108370, 264628, 18108374, 18108376, 35696423, 35695855, 264632, 264634, 264635, 264636, 18108380, 264639, 264558, 18108382, 18108384, 18108385, 18108387, 264080, 264404, 60432113, 22279000, 22279002, 264482, 264565, 264566, 264487, 265011, 264602, 21906767, 18108374, 18108377, 18108385 |
| 1850 | 87418539 (3299, 3300) | Novel Protein sim. GBank gi 3647335 emb CAA21059 - (AL031644) possible zinc-finger protein [Schizosaccharomyces pombe] | | | |
| 1851 | 91639773 (3301, 3302) | Novel Protein sim. GBank gi 4984278 emb CAB43247.1 - (AL050037) hypothetical protein [Homo sapiens] | | synthase | 264488, 52645156, 18108397, 35696286, 22278998, 22278999, 264259, 29331822, 29331824, 29331825, 29331826, 29331827, 29331828, 264508, 264908, 29331830, 264910, 60432229, 21906754, 265010, 265011, 265017, 265019, 264448, 18108354, 264288, 264688, 21906765, 21906766, 21906768, 21906769, 265022, 264692, 264693, 264629, 35695855, 264556, 264637, 264557, 264559, 83373044, 56526486, 22279000, 22279002, 264564, 22278997, 29146498, 56182435, 21906754, 264369, 21906765, 21906768, 21906769, 265020, 52644150, 33657109, 22279000, 22279002 |
| 1852 | 86598622 (3303, 3304) | Novel Protein sim. GBank gi 1657837 (U73200) - p116Rip [Mus musculus] | Contains protein domain (PF00169) - PH domain | struct | |
| 1853 | 94255993 (3305, 3306) | Novel Protein sim. GBank gi 3776054 emb CAA06273 - (AJ004999) Tapasin [Gallus gallus] | Contains protein domain (PF00047) - Immunoglobulin domain | glycoprotein | 18108398, 22278995, 22278998, 264259, 29331822, 29331824, 60432289, 29331826, 29331827, 29331830, 264909, 265006, 265009, 60432229, 60433356, 60433438, 21906754, 265017, 265019, 264448, 264683, 264288, 265021, 265022, 264692, 18108364, 65274791, 18108384, 60432113, 264567, 33657109, 264565 |
| 1854 | 78756471 (3307, 3308) | | | UNCLASSIFIED | |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 1655 | 86689346 (3308, 3310) | Novel Protein sim. GBank gij3355717[embjCAA73496] - (Y13053) seryl-tRNA synthetase [Zea mays] | | synthase | 52644507, 35696286, 22278998, 22278999, 29331824, 29331825, 29331826, 33656970, 264908, 52644045, 264511, 264910, 52646317, 264288, 52644229, 33657023, 33657109, 52644332, 264557, 56182323, 56526486, 60432113 |
| 1656 | 79962297 (3311, 3312) | Novel Protein sim. GBank gij1890141[dbjBAA18947] - (D83206) P24 protein [Mus musculus] | | UNCLASSIFIED | 29331822, 29331824, 29331825, 264563 |
| 1657 | 87771994 (3313, 3314) | Novel Protein sim. GBank gij4557645[refjNP_001524.1]pH-NRP - heterologous nuclear ribonucleoprotein L | Contains protein domain (PF00076) - dna_rna_bind RNA recognition motif. (a.k.a. RRM, RBD, or RNP domain) | | 29331827, 265009, 21906766, 21906767, 265020, 265022, 33657109, 264638, 56526486, 264482 |
| 1658 | 87773778 (3315, 3316) | Novel Protein sim. GBank gij3877072[embjCAA87060] - (Z46937) similarity with ribosomal protein L21 [Caenorhabditis elegans] | Contains protein domain (PF00829) - Ribosomal prokaryotic L21 protein | UNCLASSIFIED | 52646365, 35696286, 22278998, 22278997, 22278998, 22278999, 264259, 29331822, 29331824, 29331825, 29331826, 29331827, 29331828, 29146498, 264905, 264908, 52644045, 265006, 60433356, 264757, 60433438, 21906754, 265011, 18108351, 264448, 264369, 264288, 264766, 264768, 21906765, 21906767, 21906768, 21906769, 29148629, 265021, 265022, 18108362, 263969, 263971, 18108374, 35696423, 18108383, 22279000, 264482 |
| 1659 | 88230101 (3317, 3318) | Novel Protein sim. GBank gij539218[pijS38038] - hypothetical protein YKL201c - yeast (Saccharomyces cerevisiae) | | UNCLASSIFIED | 52646317, 21906766, 21906767, 21906768, 87168518, 22278996, 265020, 22278999, 87168559, 264603, 265017, 264631, 265018, 265019, 22279002, 264482, 264635, 264565 |
| 1660 | 94315313 (3319, 3320) | Novel Protein sim. GBank gij2497012[spjQ10010]YSV4_CAEEL - HYPOTHETICAL 26.6 KD PROTEIN T19C3.4 IN CHROMOSOME III | | UNCLASSIFIED | 264488, 35696286, 264259, 35696052, 264508, 264509, 264905, 264906, 264907, 264908, 264909, 264510, 264511, 265006, 265007, 264512, 265008, 264910, 264592, 264596, 265010, 264600, 264602, 265017, 265018, 264605, 264760, 264764, 264288, 264766, 264686, 264768, 264769, 264689, 21906766, 35695917, 264690, 33657023, 264693, 33657109, 264629, 35696423, 35695855, 264634, 264635, 264555, 264636, 264637, 264556, 264638, 264639, 264559, 18108385, 18108388, 264563, 264483, 264564, 264565, 264566, 264486, 264567 |

| | | | | | |
|------|-----------------------|--|---|--------------|---|
| 1661 | 94234071 (3321, 3322) | Novel Protein sim. GBank gi 4759100 ref NP_004759.1 pSFRS - splicing factor, arginine/serine-rich 11 | Contains protein domain (PF00076) - RNA recognition motif. (a.k.a. RRM, RBD, or RNP domain) | UNCLASSIFIED | 264488, 22278998, 264259, 29331824, 29331826, 29331827, 29331828, 264509, 56712502, 29331830, 264908, 52644045, 265007, 264512, 60433356, 60433438, 55812038, 21906754, 265019, 264448, 264766, 264768, 264769, 21906768, 21906769, 265020, 33657023, 33657109, 65274791, 87168518, 264482, 264563, 264564, 264565, 264567 |
| 1662 | 94135172 (3323, 3324) | Novel Protein sim. GBank gi 1730502 sp P52875 PF27_MOUSE - TRANSMEMBRANE PROTEIN PF27 | | | 18108392, 29331822, 29331828, 20281100, 264106, 265006, 265007, 265008, 18108348, 21906766, 18108385, 18108366, 18108374, 83373044, 18108385 |
| 1663 | 94217146 (3325, 3326) | Novel Protein sim. GBank gi 4884136 emb CAB43275.1 - (AL050107) hypothetical protein [Homo sapiens] | Contains protein domain (PF00397) - kinase WW domain | | 52645156, 56182575, 22278994, 22278995, 35696286, 22278996, 56994075, 22278997, 22278998, 22278999, 264259, 29331822, 29331826, 29331827, 29331828, 33656970, 29331830, 264908, 56182435, 264511, 60433356, 33657402, 33109954, 87168474, 87168559, 265017, 265018, 264605, 18108351, 264764, 264288, 264766, 264768, 21906765, 21906766, 21906767, 21906768, 21906769, 265021, 265022, 264691, 33657023, 264693, 263967, 33657109, 264630, 52644332, 83373044, 87168518, 80432113, 22279000 |
| 1664 | 94234076 (3327, 3328) | Novel Protein sim. GBank gi 3043692 db BAA25510 - (AB011156) KIAA0584 protein [Homo sapiens] | | UNCLASSIFIED | 264488, 263994, 35696286, 29331824, 35696052, 264508, 264509, 264905, 264906, 264907, 264908, 264909, 264510, 264511, 265009, 264910, 60170831, 264591, 264592, 264595, 87168474, 265011, 264600, 264601, 264604, 264605, 264760, 264762, 18108351, 264681, 264682, 264763, 264683, 264764, 264288, 264684, 264766, 264687, 264768, 264769, 21906764, 21906765, 21906767, 35695917, 265021, 264534, 60170615, 264690, 264691, 264692, 33657109, 33657182, 264628, 18108370, 264629, 35696423, 35695855, 264634, 264635, 264555, 264636, 264637, 264638, 264639, 264558, 83373044, 87168518, 264563, 264566, 264486 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 1665 | 91226952 (3329, 3330) | Novel Protein sim. GBank gij1083506 pir IS00065 - stalothesin - mouse | Contains protein domain (PF00047) - Immunoglobulin domain | immunoglob | 264488, 29331826, 29331828, 264509, 264906, 264907, 264909, 264510, 264511, 264910, 264592, 264593, 264595, 264758, 264596, 264600, 264760, 264762, 264764, 264766, 264768, 264629, 264630, 264634, 264636, 83373044, 264564, 264566, 264567, 264486 |
| 1666 | 95358160 (3331, 3332) | Novel Protein sim. GBank gij3913431 sp O42643 DDX8_SCHPO - PUTATIVE PRE- MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE SPAC10F6.02C | Contains protein domain (PF00576) - S1 RNA binding domain | helicase | 5694075, 22278999, 264259, 29331824, 29331826, 29331827, 29146498, 265009, 33109954, 87168559, 265019, 264288, 264688, 21906767, 21906769, 264691, 33657182, 18108370, 18108374, 18108385, 22279002 |
| 1667 | 91228655 (3333, 3334) | Novel Protein sim. GBank gij5689535 dbj BAA83051.1 - (ABD29022) KIAA1099 protein [Homo sapiens] | Contains protein domain (PF01412) - Putative GTP-ase activating protein for Arf | transport | 264259, 29331822, 29331826, 264905, 264906, 264908, 264510, 265009, 264595, 264758, 265011, 87168559, 265017, 265018, 265019, 264448, 264766, 264686, 21906765, 21906767, 21906769, 265020, 265021, 60170615, 264690, 264692, 264693, 18108368, 18108370, 263972, 55810764, 264555, 83373044, 60432113, 22279000, 22279002 |
| 1668 | 88095135 (3335, 3336) | Novel Protein sim. GBank gij2076894 gb AAB53983.1 - (AF002197) short region of weak similarity to protein kinase C; contains similarity to Pfam domain PF00130 (DAG_PE- bind). Score=10.0, E-value=0.0034, N=1 [Caenorhabditis elegans] | | kinase | 66714117, 264508, 264509, 264906, 264907, 264908, 264511, 264910, 264764, 264687, 264689, 33657109, 35696423, 35695855, 264632 |
| 1669 | 91227846 (3337, 3338) | Novel Protein sim. GBank gij3875371 emb CAA85414.1 - (Z36948) contains a valine and arginine rich domain, possesses weak similarity with the RNA binding domains from RNA splicing factor U2AF 65 KD subunit; cDNA EST EMBL:D64658 comes from this gene; cDNA EST EMBL:D66829 comes fr... | | UNCLASSIFIED | 29331825, 33109954, 264369, 264767, 264689, 33657109, 83373044 |
| 1670 | 87628009 (3339, 3340) | | | UNCLASSIFIED | 264259, 29331824, 29331827, 60433438, 265022, 264636 |
| 1671 | 87346372 (3341, 3342) | Novel Protein sim. GBank gij462451 sp P34244 KKK1_YEAST - PROBABLE SERINE/THREONINE-PROTEIN KINASE YKL101W | Contains protein domain (PF00069) - Eukaryotic protein kinase domain | kinase | 35696286, 22278997, 29331825, 264909, 21906754, 265017, 265018, 265019, 264682, 264683, 264768, 264688, 21906766, 21906767, 21906768, 21906769, 264691, 264555, 264558, 22279000, 264566 |
| 1672 | 86251834 (3343, 3344) | Novel Protein sim. GBank gij1814270 (U74586) - double- stranded RNA specific adenosine deaminase [Rattus norvegicus] | | deaminase | 264906, 264909, 264632, 18108381 |

| | | | | |
|------|-----------------------|---|--|--|
| 1673 | 88095137 (3345, 3346) | Novel Protein sim. GBank gjl2076894[gblj]AAB53983.1 - (AF002197) short region of weak similarity to protein kinase C; contains similarity to Pfam domain PF00130 (DAG_PE-bind). Scores=10.0, E-value=0.0034, N=1 [Caenorhabditis elegans] | Contains protein domain (PF00130) - kinase Phorbol esters/diacylglycerol binding domain (C1 domain) | 264486, 264569, 18108394, 56994075, 22278996, 264259, 35696052, 264508, 264905, 264509, 264906, 264907, 264908, 264909, 264510, 264910, 60170831, 264592, 264594, 264595, 264758, 264601, 264760, 264762, 264683, 264764, 264288, 264766, 264686, 264768, 264687, 264769, 264689, 264690, 33657023, 264692, 264693, 33657109, 264628, 264629, 18108374, 35696423, 35696855, 264631, 264632, 264634, 264635, 264637, 264556, 264638, 264639, 264563, 264482, 264564, 264565, 264566, 264567, 264486 |
| 1674 | 88258028 (3347, 3348) | Novel Protein sim. GBank gjl5262467[emb]CAB45693.1 - (AL080062) hypothetical protein [Homo sapiens] | kinase | 29331822, 29331824, 264906, 52644045, 60433356, 87168559, 264448, 264288, 264686, 264691 |
| 1675 | 87606466 (3349, 3350) | Novel Protein sim. GBank gjl3128366 (AF010496) - 50S ribosomal protein l9 [Rhodobacter capsulatus] | UNCLASSIFIED | 56181686, 35696286, 22278997, 22278998, 264259, 29331824, 29331827, 35696052, 66712502, 264764, 264288, 264686, 264687, 35695917, 265020, 264690, 264693, 35695763, 18108370, 35696423, 35695855, 264637, 264639, 18108385, 264564 |
| 1676 | 95358086 (3351, 3352) | Novel Protein sim. GBank gjl4164065[gblj]AAD05327 - (AF111091) latrophilin 3 splice variant bbaf [Bos taurus] | UNCLASSIFIED | 264259, 29331827, 29331828, 264106, 264907, 265009, 264600, 265019, 264288, 21906765, 265020, 265022, 35695855, 83373044, 18108385 |
| 1677 | 87408587 (3353, 3354) | Novel Protein sim. GBank gjl3327046[dbj]BAA31591 - (AB014516) KIAA0816 protein [Homo sapiens] | UNCLASSIFIED | 264908 |
| 1678 | 86866829 (3355, 3356) | Novel Protein sim. GBank gjl550452 (U08469) - 3-methylcrotonyl-CoA carboxylase, biotin-carrier domain [Glycine max] | UNCLASSIFIED | 29331824, 264102 |
| 1679 | 91214106 (3357, 3358) | Novel Protein sim. GBank gjl550452 (U08469) - 3-methylcrotonyl-CoA carboxylase, biotin-carrier domain [Glycine max] | Contains protein domain (PF00289) - carboxylase Carbamoyl-phosphate synthase (CPSase) | 264488, 18108392, 18108394, 52646842, 18108397, 18108398, 35696286, 29331824, 265006, 265007, 265008, 265009, 18108348, 265011, 18108351, 264683, 18108354, 18108358, 18108359, 21908765, 29148627, 29148629, 264690, 18108361, 18108362, 18108364, 18108365, 18108368, 264628, 18108379, 35696423, 35695855, 264635, 18108381, 18108382, 18108383, 18108384, 18108385, 18108388 |
| 1680 | 91005372 (3359, 3360) | Novel Protein sim. GBank gjl2394478 (AF024500) - No definition line found [Caenorhabditis elegans] | transport | 65274572, 22278994, 22278999, 66714117, 29331827, 56182435, 21906754, 265018, 264288, 21906769 |
| 1681 | 94324150 (3361, 3362) | Novel Protein sim. GBank gjl5689537[dbj]BAA83052.1 - (AB029023) KIAA1100 protein [Homo sapiens] | UNCLASSIFIED | 22278996, 29331822, 264908, 264593, 264604, 265019, 264683, 55811957, 264690, 33657023, 35696423, 83373044, 264563 |
| 1682 | 86042710 (3363, 3364) | | UNCLASSIFIED | 264909, 265017, 264605 |

| | | | | | |
|------|-----------------------|---|--|--------------|--|
| 1683 | 94316213 (3365, 3366) | Novel Protein sim. GBank gij5031717ref NP_005704.1 pGPBP - goodpasture antigen- binding protein | Contains protein domain (PF01852) - START domain | UNCLASSIFIED | 263994, 35696286, 35696052, 264508, 264509, 264905, 264908, 264907, 264908, 264909, 264511, 265006, 265007, 265009, 264910, 264593, 264758, 265010, 265011, 264760, 264761, 264762, 264763, 264764, 264369, 264766, 264768, 35695917, 264692, 33657109, 35696423, 35695855, 264634, 264635, 264636, 264638, 264639, 83373044, 264486 |
| 1684 | 80063409 (3367, 3368) | Novel Protein sim. GBank gij1255371 (U53147) - coded for by C. elegans cDNA yk34a9.5; coded for by C. elegans cDNA yk34a9.3; Similar to guanylate kinase. [Caenorhabditis elegans] | Contains protein domain (PF00625) - kinase Guanylate kinase | UNCLASSIFIED | 264553, 264566 60424179, 52846842, 22278994, 35696286, 22278998, 264259, 52845080, 29331824, 29331826, 265007, 33657084, 265018, 264681, 264448, 264683, 264369, 264689, 21906765, 21906767, 21906768, 21906769, 265021, 264692, 65274620, 33657109, 27486262, 264635, 52644332, 56182323, 22279000 |
| 1686 | 87820710 (3371, 3372) | Novel Protein sim. GBank gij2244707(dj BAA21115.1 - (AB005287) thrombospondin 1 [Bos taurus] | | UNCLASSIFIED | 56182575, 264259, 264508, 264905, 264509, 264907, 264908, 264510, 264511, 265006, 264512, 265009, 264910, 264758, 265010, 265011, 264605, 18108351, 264764, 264766, 18108357, 264768, 18108362, 264628, 264630, 264631, 264634, 264635, 264637, 264638, 264639, 264565, 264486, 264567 |
| 1687 | 94719400 (3373, 3374) | Novel Protein sim. GBank gij4680679(dj AAD27729.1 AF13295 - (AF132954) CGI-20 protein [Homo sapiens] | | UNCLASSIFIED | 35695917, 264906, 264907, 264908, 264510, 265006, 265007, 264910, 264556, 18108381, 18108383, 265011 |
| 1688 | 82158442 (3375, 3376) | Novel Protein sim. GBank gij4240193(dj BAA74875.1 - (AB020659) KIAA0852 protein [Homo sapiens] | | UNCLASSIFIED | 264905, 264910, 264760, 264629, 264555 |
| 1688 | 84325049 (3377, 3378) | Novel Protein sim. GBank gij4240193(dj BAA74875.1 - (AB020659) KIAA0852 protein [Homo sapiens] | | UNCLASSIFIED | 264569, 35696286, 22278999, 264508, 264908, 264909, 56182435, 33657402, 60433436, 55812038, 265017, 265018, 264448, 264764, 264288, 264686, 29148629, 35695917, 265020, 265021, 263972, 18108374, 65274791, 83373044, 264089 |
| 1690 | 83255346 (3379, 3380) | Novel Protein sim. GBank gij3800736 (AF031572) - seven- pass transmembrane receptor precursor [Mus musculus] | Contains protein domain (PF00028) - Cadherin domain | cadherin | 264369, 21906766, 264692, 264639, 87168518 |
| 1691 | 88095223 (3381, 3382) | Novel Protein sim. GBank gij2773208 (AF039713) - No definition line found [Caenorhabditis elegans] | | | 264768, 33657109, 29331827, 29148629, 264510, 264106, 264910, 264109, 264508, 60170831, 264563, 264905, 264564, 264691, 264637, 264628, 264907, 264908, 33657023, 264567, 264766, 263974 |
| 1692 | 86106709 (3383, 3384) | Novel Protein sim. GBank gij121271sp P02207 GLB_LAMFL - GLOBIN | Contains protein domain (PF00042) - Globin | UNCLASSIFIED | 264106 29331826, 264508, 264905, 264907, 264595, 265010, 265011, 21906768, 33657023, 264629, 263978, 264558 |

| | | | | |
|------|-----------------------|--|--|---|
| 1694 | 94208168 (3387, 3388) | Novel Protein sim. GBank gi 5453932 ref NP_006225.1 pPOLR - polymerase (RNA) II (DNA directed) polypeptide J (13.3kD) | Contains protein domain (PF01183) - RNA polymerases L / 13 to 16 kDa subunit | 35696286, 22278998, 22278998, 22278999, 264259, 29331822, 29331825, 29331826, 29331828, 35696052, 29146499, 264905, 264908, 52844045, 264511, 265006, 265007, 265009, 264592, 60433356, 21906754, 265010, 265011, 18108351, 264763, 264682, 264448, 264683, 264288, 264768, 264689, 21906768, 60170615, 264691, 264692, 264693, 18108370, 18108374, 263978, 35696423, 35695855, 264558, 18108381, 18108385, 87168518, 264482, 264486, 264634 |
| 1695 | 94719325 (3389, 3390) | Novel Protein sim. GBank gi 4680679 gb AAD27729.1 AF13295 - (AF132954) CGI-20 protein [Homo sapiens] | UNCLASSIFIED | |
| 1696 | 87824038 (3391, 3392) | Novel Protein sim. GBank gi 4220517 emb CAA22990 - (AL035356) hypothetical protein [Arabidopsis thaliana] | | 22278997, 264259, 265010, 18108351, 264764, 21906766, 18108370 |
| 1697 | 85740963 (3393, 3394) | Novel Protein sim. GBank gi 505652 (U10362) - GP36b glycoprotein [Homo sapiens] | glycoprotein | 264682 |
| 1698 | 87445285 (3395, 3396) | Novel Protein sim. GBank gi 5052031 gb AAD38411.1 AF15573 - (AF155739) axotrophin [Mus musculus] | | 56994075, 22278998, 22278999, 264509, 33657402, 264758, 87168474, 87168559, 265017, 265018, 264448, 264687, 29148627, 21906769, 29148629, 265020, 265022, 33657023, 264558, 87168518, 22279002 |
| 1699 | 87424793 (3397, 3398) | Novel Protein sim. GBank gi 543344 pir S41647 - zinc finger 5 protein - mouse | UNCLASSIFIED | 35696286, 264635 |
| 1700 | 87859161 (3399, 3400) | | Contains protein domain (PF00096) - Zinc finger, C2H2 type | 29331824, 52644045, 265008, 265009, 263969, 263971 |
| 1701 | 86570488 (3401, 3402) | Novel Protein sim. GBank gi 3877439 emb CAA96652 - (Z72510) similarity to yeast UTR3 protein (Swiss Prot accession number P21374); cDNA EST EMBL:D72822 comes from this gene; cDNA EST EMBL:D75763 comes from this gene; cDNA EST yk274e3.3 comes from this gene; cDNA EST yk274e3.5 c... | UNCLASSIFIED | 264092, 264110, 263977 |
| 1702 | 87795092 (3403, 3404) | | MHC | 22278995, 22278997, 264092, 29146498, 29146499, 264107, 264508, 264907, 264110, 264112, 265009, 60170831, 21906754, 265011, 265017, 264762, 18108351, 264288, 21906765, 35695917, 265021, 60170615, 263967, 33657109, 18108370, 263972, 263974, 18108374, 263976, 35695855, 264555, 263981, 60170394, 18108385, 58528486, 87168518, 60432113 |
| 1703 | 79568651 (3405, 3406) | Novel Protein sim. GBank gi 451544 (U04267) - proline-rich cell wall protein [Gossypium barbadense] | UNCLASSIFIED | 264909, 265017, 264628, 264629, 264638 |
| 1704 | 86622978 (3407, 3408) | Novel Protein sim. GBank gi 1263289 (U47856) - fibrin-4 [Araneus diadematus] | UNCLASSIFIED | 264369 |
| 1705 | 87795175 (3409, 3410) | Novel Protein sim. GBank gi 4519621 dbj BAA75670.1 - (AB017614) OASIS protein [Mus musculus] | | 264569, 35696286, 264907, 265010, 264687, 264768, 264692, 264693, 264636, 264566, 22278996, 22278998, 264259, 264509, 265018, 264764, 264685, 264686, 21906768, 21906769, 265022, 264691, 264558, 22279000 |
| 1706 | 87790967 (3411, 3412) | Novel Protein sim. GBank gi 3123034 sp Q15011 Y025_HUMAN - HYPOTHETICAL PROTEIN KIAA0025 | | |

| | | | | | |
|------|-----------------------|--|--|------------------|--|
| 1707 | 88041230 (3413, 3414) | Novel Protein sim. GBank gij4321684[gijAAD15797] - (AF055470) ZNF258 [Homo sapiens] | | UNCLASSIFIED | 18108396, 22278997, 264259, 29147620, 29331826, 29146498, 264905, 264906, 265008, 264593, 264595, 264758, 264596, 265018, 264760, 18108351, 264764, 264766, 264689, 264693, 18108370, 35698423, 55811576, 264558, 87168518, 60432113, 264567 |
| 1708 | 91220519 (3415, 3416) | Novel Protein sim. GBank gij5174591[jref]NP_005947.1 pMTHF - 5.10-methylenetetrahydrofolate dehydrogenase, 5.10-methylenetetrahydrofolate cyclohydrolase, 10-formyltetrahydrofolate synthetase | Contains protein domain (PF01268) - synthase Formate-tetrahydrofolate ligase | | 56182575, 22278996, 56994075, 264259, 29331822, 29331824, 29331826, 29331827, 29331828, 29146498, 29146499, 29331830, 265009, 60170831, 33657402, 33109954, 87168559, 265019, 18108351, 264448, 21908765, 21908767, 21908768, 29148627, 29148628, 29148784, 60170615, 52644150, 33657023, 33657109, 18108374, 55811576, 264559, 18108385, 22279000, 264563, 264107, 55811957, 263974, 263976, 263977, 263981 |
| 1709 | 80222583 (3417, 3418) | | | UNCLASSIFIED | 264556 |
| 1710 | 20754572 (3419, 3420) | Novel Protein sim. GBank gij5031735[jref]NP_005760.1 pHEC - N-acetylglucosamine 6-O-sulfotransferase | | UNCLASSIFIED | 65274572, 29331824, 29331826, 264768, 60431528, 35696423, 60432113, 264563 |
| 1711 | 81013729 (3421, 3422) | | | sulfotransferase | |
| 1712 | 95330184 (3423, 3424) | Novel Protein sim. GBank gij5454168[jref]NP_008453.1 pXAP4 - HBV associated factor | Contains protein domain (PF00641) - kinase Zn-finger in Ran binding protein and others. | | 56994075, 264093, 264259, 29331822, 264099, 29331824, 29331827, 264107, 264110, 264511, 264592, 265011, 265018, 264683, 264686, 264689, 265020, 33657023, 263967, 33657109, 263974, 35696423, 35695855, 264630, 264636, 264558, 264566 |
| 1713 | 94143453 (3425, 3426) | Novel Protein sim. GBank gij160409 (M69183) - mature-parasite-infected erythrocyte surface antigen [Plasmodium falciparum] | Contains protein domain (PF00643) - B-box zinc finger. | UNCLASSIFIED | 22278995, 264508, 264758, 18108351, 18108370, 263974, 18108374, 264634, 56182323, 83373044, 60432113 |
| 1714 | 87420048 (3427, 3428) | | | | 22278997, 264757, 21906765, 265020, 265021, 264692, 56526486 |
| 1715 | 94260257 (3429, 3430) | Novel Protein sim. GBank gij5689537[dbj]BAA83052.1 - (AB029023) KIAA1100 protein [Homo sapiens] | | UNCLASSIFIED | 264509, 264905, 264906, 264907, 264908, 264909, 264910, 264591, 265011, 264766, 264768, 264769, 264691, 264692, 264632, 264634, 264635, 264636, 264637, 264556, 264639, 264564 |
| 1716 | 87400449 (3431, 3432) | Novel Protein sim. GBank gij4589468[dbj]BAA76761.1 - (AB012808) mBOCT [Mus musculus] | transport | | 56182575, 29331824, 60432289, 264109, 264909, 265007, 264600, 265019, 264886, 265020, 264693, 55811576, 264558, 60432113, 22279002 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 1717 | 87563223 (3433, 3434) | Novel Protein sim. GBank gi 2765411 emb CAA74749 - (Y14391) GTP-binding protein [Homo sapiens] | | UNCLASSIFIED | 264569, 264259, 29331825, 29331826, 29331828, 35696052, 264509, 264905, 264907, 264908, 264909, 264512, 265009, 264910, 264592, 264595, 264758, 264759, 265017, 264681, 264764, 264766, 264686, 18108357, 35695917, 264690, 264692, 264693, 264628, 264629, 35696423, 264630, 264631, 264635, 264636, 18108380, 264638, 264639, 18108388, 18108391 |
| 1718 | 87032628 (3435, 3436) | Novel Protein sim. GBank gi 2833262 sp Q14999 Y076_HUMAN - HYPOTHETICAL PROTEIN KIAA0076 (HA0936) | | UNCLASSIFIED | 265011, 264681, 264682, 264684, 264688, 264689, 21908765, 265021, 264691, 33657023, 264693, 18108370, 35695855, 264632, 264634, 264636, 18108388, 22279002 |
| 1719 | 94315259 (3437, 3438) | Novel Protein sim. GBank gi 4505187 ref NP_003473.1 pMLL2 - myeloid/lymphoid or mixed-lineage leukemia 2 | | UNCLASSIFIED | 18108396, 65274572, 35696286, 22278997, 60432049, 56182181, 66714117, 60432289, 29331826, 35696052, 29331828, 264908, 29331830, 56182435, 264592, 60431735, 60433438, 55812038, 264759, 265010, 264600, 264601, 265017, 264448, 264764, 264288, 264769, 21906766, 21906769, 55811957, 265020, 265021, 52644150, 33657023, 33657109, 33657182, 27486262, 33657349, 35695763, 18108370, 60431528, 18108374, 35696423, 55811576, 35695855, 264631, 56182323, 264559, 264564, 264486 |
| 1720 | 94853063 (3439, 3440) | Novel Protein sim. GBank gi 2129478 pir J551939 - chitinase (EC 3.2.1.14) precursor - beet | | UNCLASSIFIED | 56182575, 22278999, 264259, 29331824, 60432289, 29331827, 35696052, 264508, 264905, 264906, 264907, 264908, 264909, 264511, 264910, 264758, 21906754, 265011, 264601, 264760, 264762, 264288, 264766, 264686, 18108357, 264689, 21906765, 55811957, 264693, 20281149, 264629, 18108374, 55811576, 65274791, 264630, 20281071, 264634, 264635, 264636, 264637, 264556, 264638, 264639, 56182323, 87168518 |
| 1721 | 91722288 (3441, 3442) | Novel Protein sim. GBank gi 4886461 emb CAB43381.1 - (AL050280) hypothetical protein [Homo sapiens] | | UNCLASSIFIED | 22278994, 22278999, 29331822, 265006, 265007, 265008, 55812038, 21906754, 60174639, 265011, 87168559, 18108351, 18108354, 21906765, 21906766, 21906768, 21906769, 265020, 33657109, 18108370, 18108374, 264556, 60170394, 83373044, 18108385, 264486 |
| 1722 | 94134549 (3443, 3444) | Novel Protein sim. GBank gi 5689375 dbj BAA82968.1 - (AB030644) tudor repeat associator with PCTAIRE 2 [Rattus norvegicus] | Contains protein domain (PF00567) - kinase Tudor domain | | 56994075, 29331824, 29331828, 265009, 18108351, 21906768, 265020, 33657023, 18108374, 83373044 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 1723 | 95358181 (3445, 3446) | Novel Protein sim. GBank gij4425962[gblAAD20633] - (AF126082) Arf-like 2 binding protein BART1 [Homo sapiens] | | UNCLASSIFIED | 264488, 264687, 264769, 21906767, 21908768, 56182575, 55811957, 22278997, 22278998, 265020, 264259, 264692, 33657023, 29331822, 29331824, 29331825, 60432289, 33657182, 33656970, 33657349, 29146499, 264508, 264907, 18108370, 264629, 264908, 264909, 18108374, 55811576, 264510, 285008, 264511, 265007, 264910, 264632, 264591, 60432229, 264592, 60433356, 264594, 60433438, 264595, 83373044, 55812038, 33109954, 33657084, 87168518, 87168474, 265010, 265011, 87168559, 264600, 60432113, 264604, 265019, 264563, 264448, 264682, 264566, 264764, 264288, 264567, 264486, 264369, 264766 |
| 1724 | 87713806 (3447, 3448) | Novel Protein sim. GBank gij2340162 (AF005083) - dsRBP-ZFa [Xenopus laevis] | Contains protein domain (PF000096) - Zinc finger, C2H2 type | UNCLASSIFIED | 264905, 18108359, 264693, 264628, 264631, 264636, 264555, 264556, 264558, 264559 |
| 1725 | 85655191 (3449, 3450) | Novel Protein sim. GBank gij3152662 (AF064604) - KE03 protein [Homo sapiens] | Contains protein domain (PF000023) - homeobox Ank repeat | homeobox | 35696286, 264259, 29331822, 35696052, 264508, 264509, 264905, 264906, 264907, 264908, 264909, 264910, 265009, 264591, 264601, 264760, 18108351, 264681, 264764, 264288, 264766, 264768, 21906769, 35695917, 264628, 35696423, 264630, 264631, 264632, 264635, 264636, 264638, 87168518, 264566 |
| 1726 | 85754255 (3451, 3452) | Novel Protein sim. GBank | | UNCLASSIFIED | 29146498, 264683, 264689 |
| 1727 | 85296362 (3453, 3454) | Novel Protein sim. GBank gij4689348[gblAAD27861.1]AF13256 - (AF132562) BcDNA.LD14270 [Drosophila melanogaster] | | UNCLASSIFIED | 264905, 265011, 264689, 21906768 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 1728 | 85349515 (3455, 3456) | Novel Protein sim. GBank gij4406549[gbjAAD20027] - (AF131738) Unknown [Homo sapiens] | | UNCLASSIFIED | 60424179, 18108397, 56182575, 22278995, 56994075, 35696286, 22278997, 22278998, 22278999, 264094, 60432049, 264259, 29331822, 29331824, 56182181, 29331825, 60432289, 29331826, 29331827, 35696052, 264905, 264906, 264907, 29331830, 66712502, 264908, 56182435, 264511, 265008, 265009, 60432229, 60433356, 33657402, 60433438, 264759, 21906754, 87168474, 265010, 265011, 87168559, 265017, 265018, 265019, 55811150, 264681, 264448, 264682, 264763, 264683, 264288, 264684, 264369, 264685, 264766, 264687, 264769, 21906764, 264689, 21906765, 21906766, 21906767, 21906768, 35695917, 265020, 265021, 265022, 264535, 264691, 264692, 33657023, 264693, 33657109, 18108370, 264628, 263972, 264629, 18108374, 18108376, 55810764, 65274791, 35695855, 264631, 264634, 264635, 60431850, 264636, 264638, 60170394, 264639, 83373044, 56526486, 87168518, 60432113, 22279000, 22279002, 264564, 264566 |
| 1729 | 91227948 (3457, 3458) | Novel Protein sim. GBank gij854065[embjCAA58337] - (X83413) U88 [Human herpesvirus 6] | | UNCLASSIFIED | 264906, 264907, 264908, 264511, 264555, 83373044, 264596, 264566 |
| 1730 | 85483474 (3459, 3460) | | | UNCLASSIFIED | 29331822, 29331825, 29331828, 264907, 264908, 264909, 265011, 264784, 264629 |
| 1731 | 88266068 (3461, 3462) | Novel Protein sim. GBank gij631600[pri]S47094 - hypothetical protein - rabbit | | UNCLASSIFIED | 52646842, 264907, 264909, 56182435, 55811386, 87168559, 265018, 265019, 264760, 52644229, 55811576 |
| 1732 | 91218878 (3463, 3464) | Novel Protein sim. GBank gij4240231[dbj]BAA74894.1] - (AB020678) KIAA0871 protein [Homo sapiens] | | struct | 56182575, 29331822, 29331824, 29331827, 66712502, 264591, 33657402, 60433356, 265019, 21906768, 21906769, 35695917, 265020, 265021, 264636, 56182323 |
| 1733 | 87617178 (3465, 3466) | Novel Protein sim. GBank gij1575756 (U70674) - m-Numb [Mus musculus] | Contains protein domain (PF00640) - Phosphotyrosine interaction domain (PTB/PID). | synthase | 264907, 264910, 33657402, 265010, 264681, 264683, 264684, 264686, 264769, 264691, 264692, 264693, 264628, 264636, 264556 |
| 1734 | 87785261 (3467, 3468) | | | | 264693 |

| | | | | |
|------|-----------------------|--|--|---|
| 1735 | 88318538 (3469, 3470) | Novel Protein sim. GBank gil4836807[gb AAD30566.1 AF14679 - (AF146793) PFT27 [Mus musculus] | Contains protein domain (PF01169) - Uncharacterized protein family UPF0016 | 264488, 18108394, 18108398, 22278998, 60432049, 264259, 29331822, 264908, 265006, 265007, 265008, 265009, 264591, 33657402, 265010, 265011, 87168559, 265017, 18108351, 264682, 18108354, 264769, 264689, 21906765, 21906768, 21906769, 29148629, 29148784, 265021, 265022, 52644150, 18108384, 18108365, 33657109, 18108370, 18108374, 18108380, 18108385, 87168518, 264563, 18108390, 264490, 264259, 66714117, 66712502, 56182435, 265006, 265008, 264910, 60433356, 87168559, 265017, 265019, 18108351, 265020, 265022, 33657023, 33657109, 264555, 60431850, 264637, 60170394, 264558, 264639, 264584 |
| 1736 | 95362884 (3471, 3472) | Novel Protein sim. GBank gil4885647[ref NP_005472.1 pTRAP - thyroid hormone receptor-associated protein complex component | UNCLASSIFIED | 264490, 264259, 66714117, 66712502, 56182435, 265006, 265008, 264910, 60433356, 87168559, 265017, 265019, 18108351, 265020, 265022, 33657023, 33657109, 264555, 60431850, 264637, 60170394, 264558, 264639, 264584 |
| 1737 | 88165549 (3473, 3474) | Novel Protein sim. GBank gil2143607[pir S68695 - B/K protein - rat | Contains protein domain (PF00168) - C2 domain | 29331822, 29331830, 264591, 265011, 265018, 265019, 22279002 |
| 1738 | 85788811 (3475, 3476) | Novel Protein sim. GBank gil2225941[emb CAA69714] - (Y08460) Mdes protein [Mus musculus] | UNCLASSIFIED | 264908, 264909, 265008, 264910, 264566 |
| 1739 | 87328576 (3477, 3478) | | UNCLASSIFIED | 35696052, 264603, 264557 |
| 1740 | 83592939 (3479, 3480) | Novel Protein sim. GBank gil4809[emb CAA44309] - (X62452) YCR601 [Saccharomyces cerevisiae] | traffic | 264604, 21906764, 18108364, 264629, 35695955, 264636 |
| 1741 | 95010100 (3481, 3482) | Novel Protein sim. GBank gil4883898[gb AAD31695.1 AF13042 - (AF130420) serine protease-like protein isoform [Homo sapiens] | UNCLASSIFIED | 60432229, 29331827, 264509, 265009, 60432229, 264759, 265017, 264767, 264688, 264689, 21906769, 265020, 33657109 |
| 1742 | 85788814 (3483, 3484) | Novel Protein sim. GBank gil4505193[ref NP_003667.1 pMLD] - membrane fatty acid (lipid) desaturase | UNCLASSIFIED | 264908, 264910, 264758, 265011, 264631, 264638, 264566 |
| 1743 | 86966475 (3485, 3486) | | | 265017, 265020, 264692 |
| 1744 | 91224003 (3487, 3488) | Novel Protein sim. GBank gil7288932[sp P39189 ALU2_HUMAN - IIII ALU SUBFAMILY SB WARNING ENTRY IIII | UNCLASSIFIED | 22278998, 264508, 264907 |
| 1745 | 20290075 (3489, 3490) | | UNCLASSIFIED | 264558 |
| 1746 | 84326110 (3491, 3492) | Novel Protein sim. GBank gil731756[sp P38873 YHY6_YEAST - HYPOTHETICAL 175.8 KD PROTEIN IN GND1-1K1 INTERGENIC REGION Novel Protein sim. GBank gil1658503 (U75467) - Alu [Drosophila melanogaster] | UNCLASSIFIED | 65274791, 264639, 264559 |
| 1747 | 94324333 (3493, 3494) | | transcript factor | 52646842, 29331824, 29331825, 52644045, 56182435, 265007, 52646317, 87168474, 265018, 18108351, 264389, 264769, 264689, 35695917, 60170615, 264691, 33657023, 65274791, 35695855, 60170394, 22279000, 264482 |

| | | | | | |
|------|-----------------------|--|---|-------------------|--|
| 1748 | 88003580 (3495, 3498) | Novel Protein sim. GBank gi 4504511 ref NP_001530.1 pHSJ2 - heat shock protein, DNAJ-like 2 | Contains protein domain (PF00884) - DnaJ central domain (4 repeats) | eph | 264489, 56182575, 29331824, 56182435, 264112, 265007, 265019, 264764, 21906768, 265020, 264691, 55811576, 264635, 264555, 264556, 264557, 264559 264106 |
| 1749 | 83363091 (3497, 3498) | Novel Protein sim. GBank gi 5650780 gb AAD45948.1 AF15196 - (AF151968) RGS protein RGS-17 [Gallus gallus] | Contains protein domain (PF00815) - Regulator of G protein signaling domain | oncogene | |
| 1750 | 94321664 (3499, 3500) | Novel Protein sim. GBank gi 4996894 gb AAC28444.2 - (AF065164) hyperpolarization-activated, cyclic nucleotide- gated channel 2 [Homo sapiens] | | | 33657402, 264288, 52844150, 263974, 83373044 |
| 1751 | 83373058 (3501, 3502) | Novel Protein sim. GBank gi 2760161 dbj BAA24184 - (AB010054) outer arm dynein light chain 2 [Anthodiaris crassispina] | Contains protein domain (PF00550) - Leucine Rich Repeat | ATPase_associated | 265010, 264369 |
| 1752 | 86456530 (3503, 3504) | Novel Protein sim. GBank gi 3915482 sp P74346 YG29_SYNY3 - HYPOTHETICAL 36.0 KD PROTEIN SLR1629 | Contains protein domain (PF00849) - RNA pseudouridylylase synthase | deaminase | 264510, 264593, 264682, 21906765, 18108370 |
| 1753 | 94235159 (3505, 3506) | Novel Protein sim. GBank gi 2852636 (AF007155) - unknown [Homo sapiens] | Contains protein domain (PF01553) - Acyltransferase | phosphatase | 56994075, 22278996, 264908, 60170831, 264682, 264764, 264369, 264288, 264685, 264687, 21906766, 264692, 264693, 65274620, 65274791, 35695855, 264637, 264564 |
| 1754 | 88095323 (3507, 3508) | Novel Protein sim. GBank gi 731421 sp P39981 YE4_YEAST - HYPOTHETICAL 53.3 KD PROTEIN IN HXT8-CANT INTERGENIC REGION | | transport | 264488, 35696286, 264509, 264906, 264907, 264908, 264909, 264511, 264910, 264591, 33657402, 264594, 264757, 264758, 264600, 264604, 264762, 264763, 264685, 264766, 264691, 264628, 35696423, 264632, 264634, 264637, 264638, 263981, 264558, 264639, 264563, 264564, 264565, 264566, 264567, 264686 |
| 1755 | 79470282 (3509, 3510) | Novel Protein sim. GBank gi 1176422 (U43194) - rhophilin [Mus musculus] | | UNCLASSIFIED | |
| 1756 | 92962614 (3511, 3512) | Novel Protein sim. GBank gi 4432860 gb AAD20708 - (AC006300) putative glucose-induced repressor protein [Arabidopsis thaliana] | | | 52646842, 22278994, 22278995, 56994075, 22278996, 22278997, 264259, 29331822, 60432289, 29331827, 33656970, 265006, 285009, 60432229, 60433356, 60433438, 33109954, 21906754, 265017, 265018, 265019, 264448, 264369, 264288, 21906765, 21906766, 21906767, 21906768, 21906769, 265020, 265021, 265022, 264692, 27486262, 27486264, 18108376, 20281152, 264558, 18108388, 87168518, 60432113, 22279000, 22279002, 264482 |
| 1757 | 95357380 (3513, 3514) | Novel Protein sim. GBank gi 5441615 emb CAB46856.1 - (A388557) zinc finger protein [Canis familiaris] | Contains protein domain (PF00096) - Zinc finger, C2H2 type | dna_rna_bind | 22278997, 264259, 60432289, 29331827, 264908, 52644045, 265008, 264593, 265019, 264766, 21906768, 65274620, 18108385, 60432113, 264566, 264487 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 1758 | 87612971 (3515, 3516) | Novel Protein sim. GBank gij3881040[emb CAA16403] - (AL021497) predicted using GeneFinder [Caenorhabditis elegans] | | UNCLASSIFIED | 22278994, 22278999, 29331822, 29331824, 29331825, 33656970, 264508, 265006, 265007, 265009, 264591, 33657402, 33109954, 87168474, 264600, 265017, 265018, 21906769, 265020, 265021, 33657023, 33657109, 264629, 18108374, 35695855, 264632, 52644332, 22279002, 264563 |
| 1759 | 36994372 (3517, 3518) | | | UNCLASSIFIED | 264759 |
| 1760 | 87329716 (3519, 3520) | Novel Protein sim. GBank gij5262748[emb CAB45688.1] - (AJ133120) Proline rich synapse associated protein 2 [Rattus norvegicus] | | UNCLASSIFIED | 56182575, 60432049, 35696052, 264905, 264906, 264907, 264908, 264909, 265006, 265009, 264910, 60432229, 264592, 264595, 55812038, 264758, 264762, 18108351, 264764, 264766, 264768, 264769, 21906765, 55811957, 35695917, 264690, 264692, 264628, 264629, 55811576, 35696423, 264632, 264634, 264636, 264557, 264639, 60432113, 264565, 264486 |
| 1761 | 87409586 (3521, 3522) | Novel Protein sim. GBank gij127749[sp P10569 MYSC_ACACA - MYOSIN IC HEAVY CHAIN | Contains protein domain (PF00618) - Guanine nucleotide exchange factor for Ras-like GTPases; N-terminal motif | UNCLASSIFIED | 29331822, 264910, 264685, 264686 |
| 1762 | 95319887 (3523, 3524) | Novel Protein sim. GBank gij3169158 (AC004770) - BC269730_2 [Homo sapiens] | Contains protein domain (PF00173) - Heme-binding domain in cytochrome b5 and oxidoreductases | desaturase | 22278999, 264259, 264905, 264907, 60170831, 265010, 265011, 265017, 264448, 21906765, 21906766, 21906767, 21906768, 265021, 264690, 33657109, 18108374, 264558, 60170394 |
| 1763 | 91224013 (3525, 3526) | Novel Protein sim. GBank gij4809026[gb AAD30062.1] - (AF132856) suppressor of G2 allele of skp1 homolog [Homo sapiens] | | | 56181686, 29331825, 35696052, 264905, 264906, 264909, 264763, 264682, 264769, 35695917, 265022, 33657023, 18108374, 35696423, 264634 |
| 1764 | 87757697 (3527, 3528) | Novel Protein sim. GBank gij1360669[pir ICGHU1V - collagen alpha 1(V) chain precursor - human | Contains protein domain (PF01410) - Fibrillar collagen C-terminal domain | collagen | 22278998, 264259, 35696052, 29331828, 56182435, 265008, 265017, 265018, 264448, 264288, 21906766, 21906767, 29148627, 35695917, 264691, 33657023, 60432113, 22279002 |
| 1765 | 91230091 (3529, 3530) | Novel Protein sim. GBank gij486806[pir S35503 - finger protein neutralized - fruit fly (Drosophila melanogaster) | | UNCLASSIFIED | 264488, 18108394, 22278995, 22278997, 22278999, 264259, 264104, 264508, 264905, 264907, 264511, 265007, 265008, 264910, 265009, 21906754, 265010, 265017, 264603, 265018, 265019, 18108351, 264682, 264448, 264369, 264288, 264766, 18108359, 21906768, 21906767, 29148627, 29148629, 35695917, 265020, 265021, 264692, 264628, 264629, 18108374, 263976, 264636, 83373044, 22279000, 22279002 |

| | | | | | |
|------|-----------------------|--|---|-------------------|--|
| 1766 | 95081201 (3531, 3532) | Novel Protein sim. GBank gi 2499087 sp Q09332 UGGG_DROME - UDP- GLUCOSE:GLYCOPROTEIN GLUCOSYLTRANSFERASE PRECURSOR (DUGT) | | glycoprotein | 52645156, 87168559, 60170615, 33657023, 264693, 33657109, 27486261, 264555, 83373044 |
| 1767 | 87755998 (3533, 3534) | Novel Protein sim. GBank gi 4176443 emb CAA18283.1 - (AL022238) dJ1042K10.4 (novel protein) [Homo sapiens] | | UNCLASSIFIED | 265017, 265019, 264686, 264768, 265020, 264692 |
| 1768 | 80253216 (3535, 3536) | | | UNCLASSIFIED | 29331824, 29331825, 264591, 56182323 |
| 1769 | 87388988 (3537, 3538) | | | UNCLASSIFIED | 264563 |
| 1770 | 95413144 (3539, 3540) | Novel Protein sim. GBank gi 15204 sp P00736 C1R_HUMAN - COMPLEMENT C1R COMPONENT PRECURSOR | Contains protein domain (PF00089) - Trypsin | complement | 264488, 264768, 264769, 56182575, 55811957, 264690, 264691, 35696052, 284905, 264509, 284906, 284907, 264628, 284908, 264909, 264910, 264634, 264635, 264636, 264556, 264757, 264758, 55812038, 65274444, 264760, 264563, 264762, 264764, 264684, 264766 |
| 1771 | 94233542 (3541, 3542) | Novel Protein sim. GBank gi 3914191 sp P56558 OGT1_RAT - UDP-N- ACETYLGLUCOSAMINE--PEPTIDE N- ACETYLGLUCOSAMINYLTRANSFERASE 110 KD SUBUNIT (O-GLCNAC TRANSFERASE P110 SUBUNIT) | Contains protein domain (PF00515) - TPR Domain | transferase | 264758, 264600, 264369, 55811957, 265020, 83373044, 22279000 |
| 1772 | 87643510 (3543, 3544) | Novel Protein sim. GBank gi 4959442 gb AAD34351.1 AF12136 - (AF121360) DNZDHH/C/NEW1 zinc finger protein 11 [Drosophila melanogaster] | Contains protein domain (PF01529) - DHHC zinc finger domain | | 22278998, 29331828, 33109954, 265018, 265019, 264764, 21906765, 265020, 265021, 264556 |
| 1773 | 94116824 (3545, 3546) | Novel Protein sim. GBank gi 3978464 (AF085693) - G protein-coupled receptor kinase-associated ADP ribosylation factor GTPase-activating protein [Rattus norvegicus] | Contains protein domain (PF01412) - Putative GTP-ase activating protein for Arf | potassium_channel | 65274572, 56182575, 22278996, 35686286, 22278999, 264259, 29331824, 60424269, 29331825, 60432289, 35696052, 264106, 264509, 264906, 264907, 29331830, 264908, 52644045, 264511, 265006, 265007, 265008, 60170831, 60433438, 264758, 55811386, 87168559, 265017, 264604, 265019, 55811150, 264288, 56181562, 264689, 21906766, 21906767, 21906768, 21906769, 55811957, 265020, 265022, 52644150, 264691, 33657023, 264692, 264693, 60431528, 35696423, 35695855, 264636, 56182323, 18108387, 56526486, 22279000, 22279002, 264563, 264564, 264565, 264566, 264567 |
| 1774 | 94232573 (3547, 3548) | Novel Protein sim. GBank gi 2495699 sp Q15034 Y032_HUMAN - HYPOTHETICAL PROTEIN KIAA0032 | Contains protein domain (PF00415) - Regulator of chromosome condensation (RCC1) | UNCLASSIFIED | 65274572, 56182575, 35696052, 55812038, 33109954, 21906754, 265017, 21906767, 21906768, 21906769, 265020, 264691, 264636, 56182323, 22279002 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 1775 | 95359330 (3549, 3550) | Novel Protein sim. GBank gij1469199[dbj BAA09487] - (D50928) The KIAA0138 gene product is novel. [Homo sapiens] | | UNCLASSIFIED | 65274572, 56182575, 56994075, 35696286, 22278997, 29331822, 29331826, 60432289, 29331828, 35696052, 29331830, 66712502, 264828, 56182435, 264511, 265007, 265009, 60170831, 60432229, 60433438, 55812038, 21906754, 85658542, 87168559, 264601, 265017, 265018, 265019, 264762, 264448, 264288, 264689, 21906765, 21906766, 21906767, 21906768, 265020, 265021, 265022, 264691, 33657023, 264692, 33657109, 27486261, 33657349, 18108370, 18108377, 35696423, 55811576, 35695855, 264632, 264634, 264636, 264639, 56182323, 83373044, 56526486, 87168518, 60432113, 22279000, 22279002, 264482, 264486, 264910 |
| 1776 | 94133756 (3551, 3552) | Novel Protein sim. GBank gij4589676[dbj BAA76857.1] - (AB023230) KIAA1013 protein [Homo sapiens] | | | |
| 1777 | 87447171 (3553, 3554) | Novel Protein sim. GBank gij3219939[sp P87115]YDK9_SCHPO - HYPOTHETICAL 116.5 KD PROTEIN C20G8.09C IN CHROMOSOME I | | nuc1_rept | 56994075, 29331826, 265008, 87168474, 265017, 265018, 264761, 55811150, 264764, 56181562, 264689, 21906765, 21906768, 21906769, 35695917, 264690, 33657023, 35695763, 60431528, 35696423, 55811576, 35695855, 22279000, 22279002, 264564, 29331826, 29331827, 35696052, 264512, 265007, 265009, 265017, 265019, 264762, 18108351, 264769, 21906765, 21906766, 21906767, 21906768, 21906769, 265020, 265021, 264691, 264693, 18108370, 264556, 83373044 |
| 1778 | 94851624 (3555, 3556) | Novel Protein sim. GBank gij3875648[emb CAA91454.1] - (Z86581) Similarity to Human rab13 protein (PIR Acc. No. A49647). Contains the ATP/GTP-binding site motif (PROSITE PS00017); cDNA EST EMBL:M89412 comes from this gene; cDNA EST yk212g9.3 comes from this gene; cDNA EST yk212g9... | | UNCLASSIFIED | |
| 1779 | 94133758 (3557, 3558) | Novel Protein sim. GBank gij4589676[dbj BAA76857.1] - (AB023230) KIAA1013 protein [Homo sapiens] | | UNCLASSIFIED | 29148627, 35696286, 29147620, 265006, 265007, 265008, 18108385, 65274727, 264482, 264369, 264768 |
| 1780 | 87023497 (3559, 3560) | | Contains protein domain (PF00807) - Apidaecin | UNCLASSIFIED | 264107, 33657109, 56526486 |
| 1781 | 84047477 (3561, 3562) | | | UNCLASSIFIED | 264508, 264906, 264639 |
| 1782 | 88094607 (3563, 3564) | Novel Protein sim. GBank gij729225[sp P41237 CTXN_RAT - CORTEXIN | | | 264259, 29331822, 264508, 264905, 264906, 264907, 264908, 265007, 265009, 264910, 264591, 264758, 264764, 264288, 264768, 264769, 264635, 264636, 264637, 264639, 264563 |
| 1783 | 85717905 (3565, 3566) | Novel Protein sim. GBank gij2257543[dbj BAA21436] - (AB004538) protein arginine N-methyltransferase [Schizosaccharomyces pombe] | | interferon | 264768 |

| | | | | |
|------|-----------------------|---|---|--|
| 1784 | 95197093 (3567, 3568) | Novel Protein sim. GBank gi 1755049 (U55042) - myosin X [Bos taurus] | Contains protein domain (PF00169) - struct PH domain | 35696286, 264259, 35696052, 264508, 264905, 264906, 264907, 66712502, 264908, 264909, 265007, 265008, 265009, 264910, 264591, 264594, 264757, 264758, 264759, 265010, 265011, 264601, 264602, 264604, 264605, 18108351, 264762, 264763, 264764, 264369, 264768, 264687, 264768, 264688, 21906768, 35695917, 264690, 264691, 264692, 264693, 264628, 18108374, 35696423, 264631, 264632, 264635, 264637, 264638, 264639, 18108385, 22279000, 22279002, 264555, 264566, 264486 65274572, 264259, 29331822, 29331824, 29331825, 29331827, 29331828, 264905, 264906, 264908, 66712502, 56182435, 264511, 265007, 60433356, 55811150, 264683, 264369, 264687, 52644229, 21906767, 52644150, 33657023, 65274620, 33657182, 65274791, 35695855, 264555, 65274727, 22279002 264908, 35696423, 264636 |
| 1785 | 96357475 (3569, 3570) | Novel Protein sim. GBank gi 4589552 dbj BAA76798.1 - (AB023171) KIAA0954 protein (Homo sapiens) | UNCLASSIFIED | UNCLASSIFIED |
| 1786 | 85296465 (3571, 3572) | Novel Protein sim. GBank gi 117788 sp P26770 CYA4_RAT ADENYLATE CYCLASE, TYPE IV (ATP PYROPHOSPHATE-LYASE) (ADENYL CYCLASE) | UNCLASSIFIED | UNCLASSIFIED |
| 1787 | 87434784 (3573, 3574) | Novel Protein sim. GBank gi 3877175 emb CAA90338.1 - (Z50028) cDNA EST yk321h8.5 comes from this gene; cDNA EST EMBL:D68896 comes from this gene; cDNA EST yk395f9.5 comes from this gene [Caenorhabditis elegans] | UNCLASSIFIED | 264488, 264905, 264908, 264909, 264595, 264764, 264766, 264692, 60431528, 264629, 264636, 264564, 264566 |
| 1788 | 91228779 (3575, 3576) | Novel Protein sim. GBank gi 2088669 (AF003130) - F55A12.9 gene product [Caenorhabditis elegans] | UNCLASSIFIED | 264488, 83373044 |
| 1789 | 88094529 (3577, 3578) | | UNCLASSIFIED | 264488, 29331828, 264909, 18108351, 264288, 265021, 264555, 264636 |
| 1790 | 82489734 (3579, 3580) | | | 35696052, 264905, 264906, 264907, 264908, 264909, 265008, 264910, 264758, 265011, 265019, 264764, 264766, 264769, 264628, 264635 |

| | | | | | |
|------|-----------------------|--|--|-------------------|--|
| 1791 | 95197259 (3581, 3582) | Novel Protein sim. GBank gij2114321[dbj BAA20037] - (D88733) membrane glycoprotein [Equine herpesvirus 1] | Contains protein domain (PF00047) - Immunoglobulin domain | glycoprotein | 264488, 264586, 264687, 264768, 18108394, 264769, 18108397, 264259, 264691, 264692, 33657023, 264693, 264509, 264905, 264906, 264628, 264907, 264629, 264908, 264909, 264510, 265006, 264511, 265008, 264630, 265009, 264631, 264910, 264632, 264634, 264635, 264555, 264636, 264592, 264637, 264593, 264638, 18108381, 264639, 264758, 265010, 265011, 264602, 22279000, 264604, 264760, 264564, 264681, 264762, 264565, 264763, 264683, 264566, 264764, 264288, 264684, 264567, 18108354, 18108391, 264685, 264766 |
| 1792 | 87792690 (3583, 3584) | Novel Protein sim. GBank gij4337106[gb AAD18082] - (AF129756) BAT4 [Homo sapiens] | Contains protein domain (PF01585) - G-patch domain | UNCLASSIFIED | 22278997, 264259, 264508, 265007, 33657402, 87168559, 264369, 33657023, 35695855, 20281071, 264559, 18108387, 87168518 |
| 1793 | 95337877 (3585, 3586) | Novel Protein sim. GBank gij5579331[gb AAD45504.1 AF14573] - (AF145732) endoplasmic reticulum alpha-mannosidase I [Homo sapiens] | Contains protein domain (PF01532) - Glycosyl hydrolase family 47 | ATPase-associated | 65274572, 22278995, 22278996, 22278997, 22278998, 264093, 264259, 29331824, 66714117, 60432289, 29331827, 29331828, 264103, 264105, 29331830, 265007, 264910, 265009, 60170831, 60433356, 21906754, 265010, 265017, 265019, 264681, 264682, 264288, 52644229, 21906765, 21906766, 21906767, 21906768, 21906769, 265020, 265021, 265022, 60170615, 52644150, 33657023, 33657109, 18108370, 18108374, 65274791, 20281071, 60432113, 22279000, 264482, 264564 |
| 1794 | 87759806 (3587, 3588) | Novel Protein sim. GBank gij4914604[emb CAB43677.1] - (AL050369) hypothetical protein [Homo sapiens] | Contains protein domain (PF01798) - Putative snoRNA binding domain | UNCLASSIFIED | 18108394, 22278995, 22278999, 264259, 29331822, 29331824, 29331825, 29146498, 29146499, 264508, 264905, 52644045, 264112, 265006, 265008, 264910, 60433356, 264757, 55812038, 87168474, 265011, 265017, 18108351, 264763, 264448, 264683, 264369, 21906765, 21906766, 21906767, 21906769, 29148784, 35695917, 60170615, 33657023, 264629, 18108374, 18108376, 35696423, 35695855, 264556, 264557, 264638, 264558, 18108385, 264564 |
| 1795 | 79747856 (3589, 3590) | | | UNCLASSIFIED | 264632, 264635, 264636, 264595, 264596, 264907, 264566, 264909 |
| 1796 | 86599486 (3591, 3592) | Novel Protein sim. GBank gij585084[sp Q07803 EFGM_RAT - ELONGATION FACTOR G, MITOCHONDRIAL PRECURSOR (MEF-G)] | | glycoprotein | 264488, 264907, 264909, 264594, 264595, 264766, 264687, 21906765, 21906767, 264628, 264630, 264559 |

| | | | | | |
|------|-----------------------|--|--|---------------|--|
| 1797 | 91223219 (3593, 3594) | Novel Protein sim. GBank gi 1842111 (U87586) - decoy [Arabidopsis thaliana] | | ribosomalprot | 22278996, 22278997, 22278998, 22278999, 29331822, 264910, 60170831, 21906754, 52644229, 21906765, 21906768, 21906769, 35695917, 265022, 52644150, 264691, 33657023, 263967, 33657109, 22279000 |
| 1798 | 91221276 (3595, 3596) | Novel Protein sim. GBank gi 2832906 dbj BAA24608.1 - (D89340) dipeptidyl peptidase III [Rattus norvegicus] | | peptidase | 22278994, 56994075, 22278997, 22278998, 22278999, 264259, 29331826, 60432289, 29331828, 33656970, 265008, 60432229, 264757, 60433438, 21906754, 33657084, 87168559, 265017, 18108351, 264682, 264448, 264288, 21906765, 21906766, 21906767, 21906768, 21906769, 35695917, 265020, 265021, 33657023, 33657182, 27486261, 27486265, 33657349, 263973, 18108374, 55811576, 35695855, 18108385, 87168518, 22279000, 264486 |
| 1799 | 86321713 (3597, 3598) | Novel Protein sim. GBank gi 5689541 dbj BAA83054.1 - (AB029025) KIAA1102 protein [Homo sapiens] | | eph | 264908, 21906754, 21906767, 21906769, 265020, 33657023, 264692, 264693, 264404, 22279000 |
| 1800 | 87080116 (3599, 3600) | Novel Protein sim. GBank | | UNCLASSIFIED | 264691, 264556, 264566 |
| 1801 | 95060723 (3601, 3602) | gi 4680679 gb AAD27729.1 AF13295 - (AF132954) CGI-20 protein [Homo sapiens] | | | 52644045, 265007, 264632 |
| 1802 | 87771012 (3603, 3604) | Novel Protein sim. GBank gi 134920 sp P21997 SSGP_VOLCA - SULFATED SURFACE GLYCOPROTEIN 185 (SSG 185) | | | 35696286, 66714117, 264508, 264509, 56182435, 264512, 18108351, 264688, 55811957, 264692, 55811576, 35695855, 264486 |
| 1803 | 95060725 (3605, 3606) | Novel Protein sim. GBank gi 4680679 gb AAD27729.1 AF13295 - (AF132954) CGI-20 protein [Homo sapiens] | | | 264686, 264488, 264687, 264489, 264768, 264769, 264689, 21906769, 35696286, 35695917, 264259, 264691, 264692, 264693, 20281099, 18108364, 35696052, 264508, 264509, 264905, 264906, 18108370, 264628, 264907, 66712502, 264908, 264909, 18108374, 18108376, 35696423, 35695855, 264510, 264511, 265006, 265007, 264512, 265008, 264910, 264631, 264632, 264634, 264635, 264591, 264636, 264637, 264592, 264638, 264593, 264639, 264594, 8373044, 264758, 264596, 18108385, 18108387, 265011, 264760, 264563, 18108351, 264762, 264564, 264448, 264565, 264763, 264683, 264764, 264566, 264288, 264486, 264567, 264765, 264766 |

| | | | | | |
|------|-----------------------|---|---|--|--|
| 1804 | 87770203 (3607, 3608) | Novel Protein sim. GBank gj 3878914 emb CAA98538.1 - (Z74043) predicted using Genefinder; cDNA EST EMBL: C13850 comes from this gene; cDNA EST EMBL: C11575 comes from this gene; cDNA EST yk34314.5 comes from this gene [Caenorhabditis elegans] | | | 52646365, 22278997, 22278999, 264905, 264908, 264909, 264910, 21906754, 264766, 21906765, 21906768, 35695917, 265020, 265022, 264691, 264637, 264639, 22279000, 264564, 264566 |
| 1805 | 95330375 (3609, 3610) | Novel Protein sim. GBank gj 5453644 ref NP_006461.1 pEBBP - estrogen-responsive B box protein | | | 29331824, 29331825, 29331826, 29331827, 29331828, 87168559, 264288, 264687, 52644229, 35696423, 264636, 60432113 |
| 1806 | 94133762 (3611, 3612) | Novel Protein sim. GBank gj 4589676 dbj BAA76857.1 - (AB023230) KIAA1013 protein [Homo sapiens] | struct | | 264094, 264105, 264908, 35696423, 265006, 265007, 265008, 264555, 264592, 265011, 265018, 264369 |
| 1807 | 86943032 (3613, 3614) | | | | 29331824, 264908, 264910, 33657023, 263978 |
| 1808 | 87642711 (3615, 3616) | Novel Protein sim. GBank gj 4884079 emb CAB43235.1 - (AL050008) hypothetical protein [Homo sapiens] | UNCLASSIFIED | | 264488, 35696286, 66714117, 35696052, 66712502, 264592, 60433438, 52644296, 265010, 264683, 264369, 264689, 55811957, 35695917, 33657109, 35695763, 55810764, 18108379, 35696423, 35695855, 56182923, 264563, 264564, 264487 |
| 1809 | 95321488 (3617, 3618) | Novel Protein sim. GBank gj 1916927 (U87965) - putative G protein [Mus musculus] | UNCLASSIFIED | | 264594, 55811150, 264686, 29148629, 29148784, 264690, 264629, 18108374, 264556, 264557, 264558 |
| 1810 | 88096316 (3619, 3620) | Novel Protein sim. GBank gj 1352944 sp P47179 YBP_YEAST - HYPOTHETICAL 118.4 KD PROTEIN IN BAT2-DAL5 INTERGENIC REGION PRECURSOR | UNCLASSIFIED | | 264488, 35696052, 264905, 264906, 264907, 264908, 264909, 264511, 265009, 264910, 264592, 264593, 264594, 33657402, 264757, 264595, 264758, 264596, 264759, 264600, 264601, 264762, 264683, 264764, 264288, 264684, 264766, 264767, 264686, 264768, 264687, 264769, 264689, 265021, 264690, 264691, 264693, 264628, 264629, 18108374, 264630, 264631, 264632, 264634, 264635, 264636, 264637, 264638, 264639, 264563, 264566, 264486, 264567 |
| 1811 | 88086272 (3621, 3622) | Novel Protein sim. GBank gj 2134984 pir j137275 - death-associated protein kinase (EC 2.7.1.-) - human | Contains protein domain (PF00023) - kinase Ank repeat | | 264488, 264259, 264508, 264509, 264905, 264906, 264907, 56182435, 264511, 264512, 264910, 264758, 265011, 264600, 264604, 18108354, 264766, 264686, 264769, 264534, 60170615, 33657023, 264629, 264631, 264639, 264563, 264482, 264483 |
| 1812 | 79245772 (3623, 3624) | | | | 29331822, 29331824, 265019, 18108351, 21906769 |

| | | | | | |
|------|-----------------------|---|---|------------------|---|
| 1813 | 88090972 (3625, 3626) | Novel Protein sim. GBank gi 5051636 gb AAD38326.1 AF07372 - (AF07372) EH domain-binding mitotic phosphoprotein (Homo sapiens) | Contains protein domain (PF01417) - ENTH domain | glucoamylase | 56182575, 264259, 29331824, 66714117, 29331828, 35696052, 264509, 264905, 264906, 264907, 264908, 66712502, 264909, 265007, 264910, 264591, 264593, 55812038, 265011, 265018, 264760, 264682, 264764, 264683, 264369, 264768, 264769, 21906768, 21906768, 264691, 264693, 18108374, 35695855, 264634, 264635, 264637, 264639, 264559, 22279000, 22279002, 264556 |
| 1814 | 88178047 (3627, 3628) | Novel Protein sim. GBank gi 3643608 (AC005395) - hypothetical protein [Arabidopsis thaliana] | | UNCLASSIFIED | 264488, 35696286, 22278998, 264092, 264094, 264259, 29331822, 29331824, 29331825, 60432289, 29331826, 29331827, 29331828, 264105, 264107, 52644045, 56182435, 265009, 60432229, 60433356, 87168474, 87168559, 264369, 264288, 21906765, 35695917, 265021, 265022, 33657023, 33657109, 18108374, 35696423, 264638, 5526486, 264482 |
| 1815 | 85296473 (3629, 3630) | Novel Protein sim. GBank gi 17788 sp P26770 CYA4_RAT ADENYLATE CYCLASE, TYPE IV (ATP PYROPHOSPHATE-LYASE) (ADENYLYL CYCLASE) | | strucl | 22278999, 264508, 264509, 264907, 264908, 264910, 265011, 264760, 264766, 264634, 264636 |
| 1816 | 83738845 (3631, 3632) | Novel Protein sim. GBank gi 176823 sp P41846 YO96_CAEEL - HYPOTHETICAL 93.9 KD PROTEIN T20812.6 IN CHROMOSOME III | | UNCLASSIFIED | 18108394, 18108397, 264509, 264907, 264908, 264909, 265009, 264591, 265011, 265017, 264687, 264689, 265022, 264691, 18108362, 18108368, 18108370, 18108374, 18108379, 264635, 264557, 264564, 264567 |
| 1817 | 88095288 (3633, 3634) | Novel Protein sim. GBank gi 3766377 emb CAA21429 - (AL031907) hypothetical protein [Schizosaccharomyces pombe] | Contains protein domain (PF00400) - WD domain, G-beta repeat | histone | 264488, 22278997, 22278999, 60432049, 29331822, 29331824, 60432289, 52644045, 60170831, 265017, 265018, 265019, 18108351, 264682, 52644229, 21906765, 21906767, 21906768, 52644150, 33657023, 33657109, 27486262, 18108370, 18108374, 60170394, 56182323, 22279002 |
| 1818 | 85806775 (3635, 3636) | Novel Protein sim. GBank gi 387912 emb CAA94370 - (Z70310) predicted using Genefinder; Similarity to Mouse ankyrin (PIR Acc. No. S37771); cDNA EST EMBL: T01923 comes from this gene; cDNA EST EMBL: D32335 comes from this gene; cDNA EST EMBL: D32723 comes from this gene; cDNA EST E... | Contains protein domain (PF00023) - Ank repeat | transcriptfactor | 35696286, 60433356, 264758, 264369, 264686, 21906769, 264693, 264632 |
| 1819 | 87759572 (3637, 3638) | Novel Protein sim. GBank gi 5031865 ref NP_005771.1 pLHFP - lipoma HMGIC fusion partner | | UNCLASSIFIED | 22278995, 22278997, 22278999, 264259, 29331826, 264908, 265007, 265008, 265009, 60432229, 265017, 265018, 265019, 264448, 264288, 21906768, 21906769, 265020, 18108381, 18108384, 22279000, 22279002, 264567 |

| | | | | | |
|------|-----------------------|--|---|-------------------|--|
| 1820 | 87769455 (3639, 3640) | | | | 264905, 264907, 264594 |
| 1821 | 80431510 (3641, 3642) | | | | 264907, 264768, 263978 |
| 1822 | 91221523 (3643, 3644) | Novel Protein sim. GBank gi 4884130 emb CAB43272.1 - (AL050101) hypothetical protein [Homo sapiens] | | | 22278995, 56994075, 22278996, 22278997, 22278998, 264259, 29331824, 29331825, 29331826, 35696052, 29331828, 264908, 29331830, 60170831, 264591, 264593, 60433356, 264596, 265017, 265019, 18108351, 264763, 264683, 21906765, 21906767, 21906768, 21906769, 35695917, 265020, 265021, 33657023, 18108364, 18108370, 35695855, 22279000, 22279002, 264488, 264259, 264511, 264288, 264768, 264693, 35696423, 264634, 18108385, 264486 |
| 1823 | 85522330 (3645, 3646) | | | UNCLASSIFIED | |
| 1824 | 86612025 (3647, 3648) | Novel Protein sim. GBank gi 477072 pir A48018 - mucin 7 precursor, salivary - human | Contains protein domain (PF00047) - Immunoglobulin domain | UNCLASSIFIED | 264907, 264908, 264909, 264511, 264631, 264634, 264635, 264637, 264638, 264639, 264758, 264568 |
| 1825 | 87430125 (3649, 3650) | Novel Protein sim. GBank gi 3036803 emb CAA18493 - (AL022373) hypothetical protein [Arabidopsis thaliana] | | UNCLASSIFIED | 60432049, 264910, 264487 |
| 1826 | 91723612 (3651, 3652) | Novel Protein sim. GBank gi 4680685 gb AAD27732.1 AF13295 - (AF132957) CGI-23 protein [Homo sapiens] | | ATPase_associated | 52644507, 52645156, 52646842, 22278994, 22278996, 56994075, 264259, 60432049, 52645080, 35696052, 66712502, 52644045, 265008, 265009, 60432229, 60433356, 60433438, 52646317, 52644296, 265011, 87168559, 264448, 264288, 264369, 264688, 52644229, 264689, 21906765, 21906768, 265020, 60170815, 52644150, 33657023, 27486262, 27486264, 27486265, 35695763, 35696423, 35695855, 83373044, 87168518, 264404, 22279002 |
| 1827 | 81647212 (3653, 3654) | | | | 264758 |

| | | | | | |
|------|-----------------------|---|---|--------------|---|
| 1828 | 95074017 (3655, 3656) | Novel Protein sim. GBank gil4503571[ref]NP_001419.1pENO1 - endolase 1, (alpha) | Contains protein domain (PF00113) - Enol-ase | oncogene | 264488, 52646842, 56182575, 22278996, 35696286, 22278997, 22278999, 264091, 264093, 60432049, 264259, 29331822, 29331824, 66714117, 29331825, 60432289, 29331826, 29331827, 29331828, 264105, 264508, 264907, 66712502, 52644045, 56182435, 265006, 264511, 264512, 265007, 265008, 265009, 60170831, 60432229, 264593, 60433356, 60433438, 264758, 33109954, 21906754, 87168474, 265010, 265011, 87168559, 265017, 265019, 264761, 264762, 264448, 264764, 264683, 264288, 264369, 18108355, 264768, 18108357, 18108358, 264688, 264769, 264689, 21906768, 21906769, 35695917, 265021, 60170615, 33657023, 33657349, 263972, 55811576, 35695855, 264635, 264555, 264556, 264638, 264557, 87168518, 22279000, 22279002, 264563, 264482, 264565, 264484, 264567 |
| 1829 | 80197720 (3657, 3658) | | | | 264508, 264634, 264509, 264482, 29331827, 264908, 265009, 264910 |
| 1830 | 94312942 (3659, 3660) | Novel Protein sim. GBank gil2246532 (U93872) - ORF 73, contains large complex repeat CR 73 [Kaposi's sarcoma- associated herpesvirus] | | nuclease | 52645156, 22278994, 22278995, 35696286, 22278996, 22278997, 22278998, 22278999, 29331822, 29331825, 35696052, 52646317, 52644296, 87168559, 265019, 21906765, 21906766, 21906767, 21906768, 21906769, 35695917, 265021, 33657023, 52645129, 33657109, 33657182, 27486261, 27486262, 35695763, 263974, 35696423, 35695855, 52644332 |
| 1831 | 94138063 (3661, 3662) | | | UNCLASSIFIED | 29331824, 35696052, 29331830, 264595, 264758, 265010, 265019, 265022, 264693, 65274791 264602 |
| 1832 | 84521663 (3663, 3664) | Novel Protein sim. GBank gil1330345 (U58755) - coded for by C. elegans cDNA yk34b1.5; coded for by C. elegans cDNA yk13h10.5; coded for by C. elegans cDNA yk46e8.5; coded for by C. elegans cDNA yk46d5.5; coded for by C. elegans cDNA yk43c2.5; coded for by C. elegans cDNA yk46e8.... | | | |

| | | | | | |
|------|-----------------------|--|--|--------------|---|
| 1833 | 95314184 (3665, 3666) | Novel Protein sim. GBank gi 5174413 ref NP_006026.1 pCDC4 - CDC42-binding protein kinase beta (DMPK-like) | Contains protein domain (PF00069) - Eukaryotic protein kinase domain | kinase | 22278994, 22278997, 22278998, 22278999, 264259, 29331822, 29331824, 60432289, 29331827, 35696052, 29148499, 264508, 264509, 264908, 264907, 68712502, 264908, 52644045, 264909, 264512, 265008, 264591, 264593, 60433356, 21906754, 33657084, 265011, 265017, 264604, 265018, 265019, 264681, 18108351, 264683, 264288, 264685, 264766, 264687, 21906765, 21906766, 21906767, 21906768, 21906769, 29148629, 265020, 265021, 264690, 264692, 33657023, 65274620, 33657182, 27486264, 33657349, 65274791, 264634, 264635, 264556, 264557, 264558, 264559, 18108385, 56526486, 87168518, 60432113, 22279000, 22279002, 264563 |
| 1834 | 80562790 (3667, 3668) | | | | 264259, 264907, 264689, 22279000, 22279002 |
| 1835 | 94135718 (3669, 3670) | | | UNCLASSIFIED | 22278998, 29331822, 29331826, 87168474, 264603, 21906768, 263976, 35695855, 83373044 |
| 1836 | 87348450 (3671, 3672) | Novel Protein sim. GBank gi 4759286 ref NP_004268.1 pUCP4 - uncoupling protein 4 | Contains protein domain (PF00153) - Mitochondrial carrier proteins | transport | 29331825, 264908, 265019, 264764, 264686, 21906765, 264635 |
| 1837 | 94234297 (3673, 3674) | Novel Protein sim. GBank gi 3334400 sp Q24574 UBPE_DROME - UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 64E (UBIQUITIN THIOLESTERASE 64E) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 64E) (DEUBIQUITINATING ENZYME 64E) | Contains protein domain (PF00443) - Ubiquitin carboxyl-terminal hydrolase family 2 | ubiquitin | 22278995, 29148499, 265006, 265008, 265009, 265010, 264683, 21906765, 29148627, 29148629, 265020, 265021, 265022, 65274620, 18108370, 18108374, 264556, 18108385 |
| 1838 | 94324369 (3675, 3676) | Novel Protein sim. GBank gi 1362599 pir JAS6154 - Abl substrate ena (enabled) - fruit fly (Drosophila melanogaster) | Contains protein domain (PF00568) - WH1 domain | | 29331822, 265017, 264760, 265020, 83373044 |
| 1839 | 87456508 (3677, 3678) | Novel Protein sim. GBank gi 2117310 emb CAB09116.1 - (Z95620) hypothetical protein [Schizosaccharomyces pombe] | | UNCLASSIFIED | 60433438, 264601, 21906765, 21906766, 265021, 33657109, 264556 |
| 1840 | 87391708 (3679, 3680) | Novel Protein sim. GBank gi 127560 sp P23249 MV10_MOUSE - PROTEIN MOV.10 | | UNCLASSIFIED | 264693 |
| 1841 | 85818445 (3681, 3682) | Novel Protein sim. GBank gi 4572464 gb AAD23834.1 AF12365 - (AF123653) FEZ1 [Homo sapiens] | | | 56182575, 29331824, 29331826, 60433356, 264764, 264288, 33657023, 263967, 18108370, 18108374, 264631, 264555, 264556, 264639 |

| | | | | | |
|------|-----------------------|--|---|-------------------|--|
| 1842 | 90992645 (3683, 3684) | Novel Protein sim. GBank gi 1326268 (U56726) - C54H2.1 gene product [Caenorhabditis elegans] | | UNCLASSIFIED | 65274572, 29331822, 29331824, 29331825, 66714117, 29331826, 29331827, 264907, 264909, 52644045, 56182435, 264510, 265006, 265007, 265009, 264910, 60433356, 264757, 60433438, 55812038, 265017, 18108354, 264686, 264769, 33657023, 264693, 18108364, 33657109, 18108368, 264628, 55810764, 56182323, 18108384, 264563, 264564 |
| 1843 | 95292692 (3685, 3686) | | | UNCLASSIFIED | 264488, 56182435, 264769, 29331826, 29331828, 264511, 265006, 265007, 264910, 264631, 264509, 264690, 264636, 264564, 264691, 60432229, 60432049, 264259, 264629, 33657023, 264486, 264909, 264567, 264595, 264766 |
| 1844 | 87444764 (3687, 3688) | Novel Protein sim. GBank gi 2496887 sp Q09232 YQ22_CAEEL - HYPOTHETICAL 32.0 KD PROTEIN C09F5.2 IN CHROMOSOME III | | UNCLASSIFIED | 264908, 265022, 33657023, 87168518, 22279002 |
| 1845 | 95096673 (3689, 3690) | Novel Protein sim. GBank gi 1175494 sp Q09819 YAC5_SCHPO - HYPOTHETICAL 45.0 KD PROTEIN C16C9.05 IN CHROMOSOME I | Contains protein domain (PF00628) - PHD-finger | transcriptfactor | 264259, 29331824, 264907, 264908, 66712502, 264510, 265007, 265008, 55812038, 265018, 21906765, 52644150, 33657109, 264555, 264556, 264557, 56182323, 18108382, 83373044, 18108385, 264564 |
| 1846 | 84287872 (3691, 3692) | Novel Protein sim. GBank gi 3881080 emb CAA21739 - (AL032657) similar to EGF-like domain; cDNA EST yk299a12.3 comes from this gene; cDNA EST EMBL:D35398 comes from this gene; cDNA EST yk331h6.5 comes from this gene; cDNA EST yk299a12.5 comes from this gene; cDNA EST yk467g8.5 c... | Contains protein domain (PF00008) - EGF-like domain | UNCLASSIFIED | 264905, 264908 |
| 1847 | 87821487 (3693, 3694) | Novel Protein sim. GBank gi 5059323 gb AAD38967.1 AF151522 - (AF151522) hairy and enhancer of split related-1 [Homo sapiens] | Contains protein domain (PF00010) - Helix-loop-helix DNA-binding domain | transcriptfactor | 22278997, 264259, 29331824, 264909, 18108351, 263974, 22279002 |
| 1848 | 86789360 (3695, 3696) | Novel Protein sim. GBank gi 5701854 emb CAB52191.1 - (AJ245417) G5b protein [Homo sapiens] | | Im7 | 29331825, 29331826, 29331827, 265017, 264683, 264288, 264766, 264768, 21906767, 21906768, 264692, 22279002 |
| 1849 | 84287874 (3697, 3698) | Novel Protein sim. GBank gi 4503665 ref NP_001988.1 pFBLN - fibulin 2 precursor | Contains protein domain (PF00008) - EGF-like domain | ATPase-associated | 56182575, 265018 |
| 1850 | 86689650 (3699, 3700) | Novel Protein sim. GBank gi 4589582 dbj BAA76813.1 - (AB023186) KIAA0969 protein [Homo sapiens] | Contains protein domain (PF00169) - PH domain | struct | 60432049, 264908 |
| 1851 | 95419789 (3701, 3702) | Novel Protein sim. GBank gi 220637 dbj BAA01471 - (D10627) zinc finger protein [Mus musculus] | Contains protein domain (PF00096) - Zinc finger, C2H2 type | dna_rna_bind | 29331824, 35696052, 264910, 60433438, 264688, 35695917, 265020, 52644150, 65274620, 52644332 |

| | | | | | |
|------|-----------------------|---|--|-------------------|---|
| 1852 | 95413170 (3703, 3704) | Novel Protein sim. GBank gij5174829[ref]NP_006090.1[PIAS - protein inhibitor of activated STAT3] | | UNCLASSIFIED | 56182575, 35696286, 22278996, 22278997, 22278999, 264490, 60432049, 264259, 29331822, 29331824, 29331825, 29331826, 60432289, 29331827, 35696052, 52844045, 265007, 264910, 60432229, 60433356, 60433438, 55812038, 65274444, 265018, 265019, 18108351, 264448, 264686, 264687, 21906765, 21906767, 21906769, 265021, 265022, 52644150, 264693, 33657109, 18108370, 18108374, 55811576, 35695855, 56182323, 60432113, 22279002, 264563, 264687, 264768, 52644507, 264769, 21906765, 21906767, 21906768, 22278995, 56994075, 22278999, 52644150, 264259, 264692, 29331822, 29331824, 52845129, 29331827, 33656970, 33657349, 35695763, 264508, 264906, 264628, 264907, 264629, 264909, 35696423, 35695855, 264510, 265006, 264511, 264512, 264630, 265009, 264631, 264910, 264634, 264635, 264637, 264593, 264638, 264639, 33657402, 18108385, 52646317, 52644296, 87168518, 87168559, 264602, 265017, 22279000, 265018, 264760, 264762, 264682, 264448, 264764, 264684, 264567, 264288, 264369, 264766 264592 |
| 1853 | 91222267 (3705, 3706) | Novel Protein sim. GBank gij854065[emb][CAA58337] - (X83413) U88 [Human herpesvirus 6] | | UNCLASSIFIED | |
| 1854 | 85038152 (3707, 3708) | Novel Protein sim. GBank gij2072964 (U93569) - putative p150 [Homo sapiens] | | nuclease | |
| 1855 | 91221459 (3709, 3710) | Novel Protein sim. GBank gij4539520[emb][CAB39994.1] - (AL035424) dA22D12.1 (novel protein similar to Drosophila Kelch (Ring Canal protein, KEL) and a heterogenous set of other types of proteins) [Homo sapiens] | Contains protein domain (PF01344) - nuc_rept Kelch motif | | 18108382, 52646365, 65274572, 56182575, 22278994, 56994075, 22278996, 35696286, 22278999, 264259, 60432049, 264908, 264510, 265007, 265008, 265009, 264595, 21906754, 87168474, 265011, 87168559, 264681, 264288, 264768, 18108359, 21906764, 21906768, 29148627, 265020, 265021, 265022, 52644150, 33657023, 33657109, 18108372, 18108374, 18108376, 35696423, 264631, 264636, 18108381, 264482 |
| 1856 | 94231871 (3711, 3712) | Novel Protein sim. GBank gij3954978[emb][CAA06945] - (AJ006276) acetylglucosaminyltransferase-like protein [Mus musculus] | | UNCLASSIFIED | 56994075, 264259, 29331828, 264511, 264910, 264758, 264693, 264637, 18108381, 83373044 |
| 1857 | 94324455 (3713, 3714) | Novel Protein sim. GBank gij4322670[gb][AAD16120] - (AF094508) dentin phosphoryn [Homo sapiens] | | ATPase-associated | 22278999, 264259, 264906, 60170831, 264448, 264686, 265020, 265022, 33657109, 60170394, 83373044 |

| | | | | | |
|------|-----------------------|--|---|----------------|---|
| 1858 | 87628311 (3715, 3716) | Novel Protein sim. GBank gi 4981903 gb AAD36415.1 AE00178 - (AE001788) ribosomal protein S15 [Thermotoga maritima] | Contains protein domain (PF00312) - Ribosomal protein S15 | ribosomal prot | 264757 |
| 1859 | 84407464 (3717, 3718) | Novel Protein sim. GBank gi 4240317 dbj BAA74937.1 - (AB020721) KIAA0914 protein [Homo sapiens] | | | 22278996, 29331824, 265007, 33109954, 265019, 264369, 21906768, 29148784, 27486261, 52644332, 22279002 265019 |
| 1860 | 17929308 (3719, 3720) | Novel Protein sim. GBank gi 4009522 (AF099731) - connexin 31.1 [Homo sapiens] | | | |
| 1861 | 88086370 (3721, 3722) | Novel Protein sim. GBank gi 2143637 pir I84505 - calcium- dependent actin-binding protein - rat | Contains protein domain (PF00285) - Citrate synthase | | 264887, 264259, 29331822, 29331824, 29331825, 265007, 265009, 264591, 33109954, 265010, 265019, 264369, 264288, 264686, 264691, 264693, 27486264, 18108370, 18108374, 263977, 55811576, 56182323, 264639, 22279000, 22279002, 264482 |
| 1862 | 87372923 (3723, 3724) | Novel Protein sim. GBank gi 125493 sp P07313 KMLC_RABIT - MYOSIN LIGHT CHAIN KINASE, SKELETAL MUSCLE (MLCK) | Contains protein domain (PF00069) - Eukaryotic protein kinase domain | kinase | 35896286, 264259, 87168474, 264369, 21906766, 264558, 264563 |
| 1863 | 85775037 (3725, 3726) | Novel Protein sim. GBank gi 3820909 emb CAA09299 - (AJ010842) Dof protein [Drosophila melanogaster] | | UNCLASSIFIED | 264601, 264766, 29148627, 29148629, 264692, 264629, 264635 |
| 1864 | 85547832 (3727, 3728) | Novel Protein sim. GBank gi 4322263 gb AAD15985 - (AF077738) metalloproteinase CPX-1 [Mus musculus] | Contains protein domain (PF00754) - F5/8 type C domain | synthase | 22278999, 264259, 264907, 265018, 18108370, 264634, 264635, 264555, 264556, 264638, 18108387 |
| 1865 | 87740827 (3729, 3730) | Novel Protein sim. GBank gi 2495727 sp Q93073 Y256_HUMAN - HYPOTHETICAL PROTEIN KIAA0256 | | | 22278999, 264490, 29331822, 66714117, 66712502, 265006, 265007, 265008, 265009, 264591, 60433438, 265010, 265019, 264760, 264448, 264768, 29148627, 29148629, 265020, 265022, 18108385, 60432113 |
| 1866 | 87266816 (3731, 3732) | Novel Protein sim. GBank gi 5262617 emb CAB45748.1 - (AL080157) hypothetical protein [Homo sapiens] | | kinase | 18108374, 264769, 18108377, 21906765, 21906766, 35698423, 56182575, 21906769, 29148629, 35696286, 35695917, 265021, 264510, 264511, 264512, 264534, 264535, 60170831, 52644150, 264555, 264691, 264259, 264556, 264692, 264557, 33657023, 60433356, 29331822, 264559, 264595, 29331824, 18108385, 21906754, 33657182, 29331827, 35696052, 33656970, 87168518, 265017, 60431602, 22279000, 264508, 264509, 18108351, 264907, 264682, 264567, 18108372, 264765, 264486 |
| 1867 | 84579159 (3733, 3734) | Novel Protein sim. GBank gi 3859930 (AF078096) - forkhead/winged helix-like transcription factor 7 [Homo sapiens] | | UNCLASSIFIED | 264094 |

| | | | | | |
|------|-----------------------|---|--|--------------|--|
| 1868 | 87357459 (3735, 3736) | Novel Protein sim. GBank gij3881525[embjCAA93884] - (Z70038) cDNA EST EMBL:D32579 comes from this gene; cDNA EST EMBL:D35254 comes from this gene; cDNA EST yk224b3.5 comes from this gene; cDNA EST yk357110.5 comes from this gene [Caenorhabditis elegans] | | nuclease | 264489, 22278997, 22278999, 29331825, 29331826, 265008, 265009, 33657402, 87168474, 18108351, 21906765, 21906768, 21906769, 265020, 265021, 60170615, 27486264, 264628, 18108374, 264631, 18108385, 87168518, 22279000, 22279002, 264566, 264567 |
| 1869 | 86977292 (3737, 3738) | Novel Protein sim. GBank gij4826772[refjNP_004961.1]pIGFA - insulin-like growth factor binding protein, acid labile subunit | Contains protein domain (PF00560) - Leucine Rich Repeat | glycoprotein | 264508, 264509, 264906, 264908, 264909, 264910, 264591, 264600, 18108351, 264683, 264766, 264769, 35695855, 264634, 264558, 264639, 18108385, 264563, 264486 |
| 1870 | 95349488 (3739, 3740) | Novel Protein sim. GBank gij1869859[embjCAB06722] - (Z86099) very large tegument protein [human herpesvirus 2] | | UNCLASSIFIED | 29331824, 60424269, 265007, 265008, 21906754, 265017, 265018, 265019, 264288, 264766, 264686, 264688, 21906768, 21906769, 35695917, 60170615, 264692, 18108388, 35695763, 35696423, 65274791, 264638, 264639, 56526486 |
| 1871 | 80234464 (3741, 3742) | | | UNCLASSIFIED | 264509, 264905, 264595, 264768, 264635, 264636, 264563, 264486 |
| 1872 | 80235355 (3743, 3744) | Novel Protein sim. GBank gij2460316 (AF022147) - uterus-ovary specific putative transmembrane protein [Rattus norvegicus] | | protease | 264510, 264594, 264565 |
| 1873 | 80213890 (3745, 3746) | | | | 264509, 264512, 265009, 265011, 18108351, 264687, 264691, 18108370, 18108374, 264635 |
| 1874 | 95351136 (3747, 3748) | | Contains protein domain (PF00293) - Bacterial mutT protein | UNCLASSIFIED | 264488, 35695917, 264259, 264905, 264907, 264908, 264909, 263978, 264511, 264635, 264636, 264637, 264638, 33657402, 264558, 18108385, 264600, 264604, 264764, 264567, 264766 |
| 1875 | 87330516 (3749, 3750) | Novel Protein sim. GBank gij4589520[dbjBAA76782.1] - (AB023155) KIAA0938 protein [Homo sapiens] | | UNCLASSIFIED | 35696286, 264828, 264592, 264557, 264558 |
| 1876 | 87112950 (3751, 3752) | Novel Protein sim. GBank gij263810[bbbsj122920] - collagen alpha chain [Riftia pachyptila=tube worms, Peptide, 1027 aa] | | UNCLASSIFIED | 264259, 29331822, 60432289, 264908, 264909, 264604, 264764, 264288, 264769, 18108376, 264556, 264558, 264559, 18108385 |
| 1877 | 87315208 (3753, 3754) | Novel Protein sim. GBank gij3983356[gbjAAC83924.1] - (AF102545) riboflavin binding protein precursor [Scaphiopus couchii] | | UNCLASSIFIED | 264767, 264686, 264768, 263978, 264693, 264639, 265010, 264563, 264905, 264906, 264907 |

| | | | | | |
|------|-----------------------|---|--|--------------|--|
| 1878 | 95351056 (3755, 3756) | Novel Protein sim. GBank gi 4510345 gb AAD21434.1 - (AC006921) unknown protein [Arabidopsis thaliana] | Contains protein domain (PF01428) - AN1-like Zinc finger | ubiquitin | 264569, 264488, 35696286, 56994075, 264259, 29331822, 29331824, 29331825, 35696052, 29331828, 29146498, 264508, 264509, 264905, 264906, 264907, 264908, 264909, 264510, 264511, 264512, 265009, 264910, 33657402, 264594, 264758, 55812038, 265011, 264602, 264760, 18108351, 264762, 264681, 264682, 264764, 264369, 264288, 264766, 264687, 264768, 264769, 21906766, 35695917, 265021, 60170615, 33657023, 264692, 264693, 33657109, 27486265, 264628, 18108370, 264829, 18108374, 35696423, 264834, 264635, 264555, 264638, 264639, 83373044, 18108385, 56526486, 87168518, 264563, 264564, 264566, 264486, 264567, 264905, 264907, 264908, 265007, 264565, 264566 |
| 1879 | 95310883 (3757, 3758) | Novel Protein sim. GBank gi 4929643 gb AAD34082.1 AF15184 - (AF151845) CGI-87 protein [Homo sapiens] | | UNCLASSIFIED | |
| 1880 | 91012978 (3759, 3760) | Novel Protein sim. GBank gi 1550785 emb CAA69283 - (Y08026) Immune associated protein 38 [Mus musculus] | | UNCLASSIFIED | 264766, 264691, 264692, 83373044 |
| 1881 | 80214949 (3761, 3762) | Novel Protein sim. GBank gi 93144 pir IB40505 - hypothetical protein - suid herpesvirus 1 (strain Indiana-Funkhouser or Becker) | | UNCLASSIFIED | 264509, 264905, 264908, 264909, 264910, 264762, 264687, 33657023, 264632 |
| 1882 | 86582450 (3763, 3764) | Novel Protein sim. GBank gi 2384956 (AF022985) - No definition line found [Caenorhabditis elegans] | | | 264908, 21906766, 18108370, 263974, 87168518 |
| 1883 | 94218817 (3765, 3766) | Novel Protein sim. GBank gi 1351218 sp P47226 TES2_MOUSE - TESTIN 2 (TES2) [CONTAINS: TESTIN 1 (TES1)] | Contains protein domain (PF00412) - LIM domain containing proteins | homeobox | 264908, 264910, 87168559, 21906766, 264636 |

| | | | | | |
|------|-----------------------|---|--|-------------------|---|
| 1884 | 95310885 (3767, 3768) | Novel Protein sim. GBank gi 4929643 gb AAD34082.1 AF15184 - (AF151845) CGI-87 protein [Homo sapiens] | | UNCLASSIFIED | 264488, 18108394, 56181686, 22278998, 60432049, 264259, 29331822, 29331824, 29331825, 66714117, 29331827, 35696052, 264508, 264509, 264905, 264906, 264907, 264908, 264909, 56182435, 264510, 264511, 265007, 264512, 265009, 264910, 264592, 264593, 33657402, 55812038, 264758, 55811386, 265010, 265011, 87168559, 264600, 265017, 264604, 265019, 264605, 264760, 5581150, 264761, 284682, 264763, 264683, 264764, 264288, 264369, 264766, 264686, 264768, 264769, 29148784, 35695917, 264690, 264691, 33657023, 264692, 264693, 33657109, 18108370, 264628, 60431528, 264629, 263973, 18108374, 55810764, 55811576, 35696423, 35695855, 264631, 264634, 60431850, 264637, 264638, 56182323, 264639, 18108382, 83373044, 18108385, 60432113, 22279002, 264563, 264564, 264565, 264566, 264486, 264567 |
| 1885 | 87644280 (3769, 3770) | Novel Protein sim. GBank gi 2507155 sp P37370 VRP1_YEAST - VERPROLIN | | UNCLASSIFIED | 56182575, 264259, 264905, 264909, 265008, 264596, 264766, 265020, 264628, 60431528, 264634, 56526486, 284080, 264563 |
| 1886 | 86674062 (3771, 3772) | Novel Protein sim. GBank gi 2854158 gb AAC02577.1 - (AF045641) No definition line found [Caenorhabditis elegans] | | | 22278998, 22278999, 60432049, 264910, 265018, 264766, 21906768, 29148629, 264690, 264693, 264628, 264555, 264486 |
| 1887 | 94139139 (3773, 3774) | Novel Protein sim. GBank gi 5174421 ref NP_006023.1 pCPNE - copine VI (neuronal) | Contains protein domain (PF00168) - C2 domain | ATPase-associated | 29331822, 29331824, 29331825, 29331826, 29331827, 264906, 265007, 264681, 264768, 29148627, 264693, 18108364, 35696423, 65274791, 35695855, 264632, 56182323, 264639, 264563 |
| 1888 | 87822804 (3775, 3776) | Novel Protein sim. GBank gi 331993 emb CAB10841 - (Z98046) dJ14O9.2 (Melanoma-Associated Antigen MAGE LIKE) [Homo sapiens] | Contains protein domain (PF01454) - MAGE family | | 263978 |
| 1889 | 91255783 (3777, 3778) | Novel Protein sim. GBank gi 1083308 pir J56559 - enhancer-trap-locus-1 protein - mouse (fragment) | Contains protein domain (PF00176) - SNF2 and others N-terminal domain | helicase | 264906, 55812038, 264758, 265010, 265018, 265019, 18108351, 264288, 21906765, 21906768, 21906769, 265021, 33657023, 33657109, 56182323, 83373044, 18108385, 22279000, 22279002 |
| 1890 | 87626705 (3779, 3780) | Novel Protein sim. GBank gi 4240185 dbj BAA74876.1 - (AB020660) KIAA0853 protein [Homo sapiens] | | UNCLASSIFIED | 18108398, 29147620, 264907, 265009, 264600, 265018, 18108351, 264288, 264689, 21908765, 21906768, 21906769, 264691, 264692, 264693, 264628, 18108370, 264636, 264558, 264404 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 1891 | 87013895 (3781, 3782) | | | UNCLASSIFIED | 264686, 264768, 264687, 264692, 264693, 29331822, 29331824, 264508, 264905, 264906, 18108370, 264628, 264907, 264908, 264909, 18108379, 265007, 265008, 264910, 264632, 264591, 264639, 264596, 18108384, 265010, 265011, 264601, 264605, 264563, 264369 |
| 1892 | 87642825 (3783, 3784) | Novel Protein sim. GBank gi 5689535 dbj BAA83051.1 - (AB029022) KIAA1099 protein [Homo sapiens] | Contains protein domain (PF01412) - Putative GTP-ase activating protein for Arf | struct | 22278995, 264509, 87168559, 18108351, 264448, 264682, 265020, 264693, 18108374, 22279000 |
| 1893 | 88533826 (3785, 3786) | | | laminin | 264569, 65274572, 22278997, 22278999, 264259, 29331822, 29331824, 86714117, 29331826, 264906, 265008, 265009, 264592, 265018, 264681, 264448, 264683, 18108354, 264369, 264684, 264685, 264766, 264687, 264689, 21906768, 265020, 265022, 60170615, 52644150, 264890, 264691, 264692, 33657023, 264693, 33657109, 264628, 18108374, 35695855, 264630, 264632, 264634, 264557, 264558, 60170394, 18108381, 18108385, 22279000 |
| 1894 | 86989120 (3787, 3788) | | | | 264508, 264905, 264906, 264907, 264594, 264684, 264690, 264692, 264630, 264635, 264636, 264639, 264563 |
| 1895 | 87631891 (3789, 3790) | Novel Protein sim. GBank gi 5262574 emb CAB45729.1 - (AL080133) hypothetical protein [Homo sapiens] | Contains protein domain (PF00435) - Spectrin repeat | | 56182575, 264259, 60432289, 29331826, 264107, 264905, 264908, 264910, 60170831, 264758, 265010, 265018, 264448, 264288, 264768, 33657109, 264628, 55810784, 18108379, 264634, 56182323, 56526486 |
| 1896 | 85873555 (3791, 3792) | | Contains protein domain (PF00627) - UBA domain | UNCLASSIFIED | 264907, 265008, 264682, 264686, 21906768, 264629, 264631, 264634, 264555 |
| 1897 | 80555569 (3793, 3794) | Novel Protein sim. GBank gi 728836 sp P39193 ALU6_HUMAN - IIII ALU SUBFAMILY SP WARNING ENTRY IIII | | cadherin | 264259 |
| 1898 | 87617637 (3795, 3796) | Novel Protein sim. GBank gi 127560 sp P23249 MV10_MOUSE - PROTEIN MOV-10 | | helicase | 22278996, 22278998, 22278999, 29331824, 29331825, 60432289, 29331827, 35696052, 29331828, 265008, 265019, 264681, 264682, 264448, 264369, 52644229, 21906765, 21906766, 21906768, 21906769, 60170615, 55810764, 22279000 |
| 1899 | 86673097 (3797, 3798) | Novel Protein sim. GBank gi 2909819 AF031548 erythrocyte membrane glycoprotein Rh50 [Homo sapiens] | Contains protein domain (PF00909) - Ammonium Transporter Family | glycoprotein | 264259, 264508, 264909, 60432229, 264769, 21906765, 21906769 |
| 1900 | 87641658 (3799, 3800) | Novel Protein sim. GBank gi 4102861 AF017250 vitellogenin precursor [Oreochromis aureus] | | UNCLASSIFIED | 264683 |

| | | | | | |
|------|-----------------------|--|--|--------------|---|
| 1901 | 95196647 (3801, 3802) | Novel Protein sim. GBank gi 585959 sp P38378 S61A_RAT PROTEIN TRANSPORT PROTEIN SEC61 ALPHA SUBUNIT | Contains protein domain (PF00242) - DNA polymerase (viral) N-terminal domain | transport | 264488, 52644507, 52645156, 18108396, 52646365, 52646842, 18108397, 56182575, 22278994, 22278995, 56994075, 35696286, 22278997, 22278998, 264490, 60432049, 264259, 29331822, 52645080, 29331824, 29331825, 66714117, 29331826, 60432289, 29331827, 29331828, 35698052, 33656970, 29146498, 264906, 264907, 29331830, 264908, 52644045, 264909, 264112, 265006, 264512, 265008, 264910, 265009, 60170831, 60432229, 60433356, 33657402, 60433438, 55812038, 264758, 33109954, 21908754, 33657084, 52644296, 87168474, 265010, 265011, 87168559, 265017, 265018, 265019, 18108351, 264448, 264288, 264686, 52644229, 21906765, 21906766, 21906767, 21906769, 55811957, 35695917, 265020, 265021, 52644150, 18108362, 33657023, 264693, 336967, 33657109, 33657182, 27486264, 33657349, 35695763, 18108370, 18108376, 55811576, 35696423, 35695855, 60431850, 264636, 263981, 52644332, 60170394, 83373044, 18108385, 87168518, 60432113, 264564 264107, 263976 |
| 1902 | 80202013 (3803, 3804) | Novel Protein sim. GBank gi 4426613 gb AAD20451 - (AF098796) SLM-1 [Mus musculus] | | dna_rna_bind | |
| 1903 | 87778554 (3805, 3806) | Novel Protein sim. GBank gi 3747107 (AF095741) - unknown [Rattus norvegicus] | | UNCLASSIFIED | 264259, 29331825, 29331827, 264508, 264907, 265008, 60170831, 60433356, 60433438, 264759, 21908754, 264448, 264288, 265021, 265022, 33657023, 264693, 55811576, 264555, 264556, 22279000 |
| 1904 | 80434213 (3807, 3808) | Novel Protein sim. GBank gi 1352911 sp P47147 YJ80_YEAST - HYPOTHETICAL 80.2 KD PROTEIN IN CPA2-NNF1 INTERGENIC REGION | | struct | 264509, 264905, 264906, 264907, 264908, 265007, 264910, 264686, 264788, 264687, 264769, 264693, 264628, 18108374, 264634, 264636, 264637, 264565 |
| 1905 | 95351140 (3809, 3810) | Novel Protein sim. GBank gi 3043714 dbj BAA25521 - (AB011167) KIAA0595 protein [Homo sapiens] | Contains protein domain (PF00293) - Bacterial mutT protein | | 264488, 264768, 264769, 264689, 28148629, 35695917, 35696286, 264259, 264692, 18108362, 33657023, 29331824, 33657109, 29146499, 264508, 264509, 264905, 264906, 264907, 66712502, 264908, 264909, 35698423, 35695855, 264510, 264511, 264512, 264910, 264634, 264635, 264637, 264638, 33657402, 264758, 85658542, 264602, 264760, 264761, 264482, 264563, 264762, 264483, 264764, 264566, 264288, 264766 |
| 1906 | 12763822 (3811, 3812) | | | UNCLASSIFIED | 264637 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 1907 | 95351144 (3813, 3814) | Novel Protein sim. GBank gi 4929585 gb AAD34053.1 AF15181 - (AF151816) CGI-58 protein [Homo sapiens] | Contains protein domain (PF00561) - alpha/beta hydrolase fold | UNCLASSIFIED | 65274572, 22278996, 35696286, 22278998, 22278999, 264259, 60432049, 29331822, 29331825, 60424269, 29331828, 35696052, 264593, 60433356, 21908754, 55811386, 85658542, 87168559, 265018, 264681, 264682, 264684, 264288, 21908765, 21908768, 21908768, 265020, 265022, 264690, 52644150, 264692, 33657023, 264693, 33657109, 35695855, 264636, 264638, 60432113 |
| 1908 | 95313641 (3815, 3816) | Novel Protein sim. GBank gi 3986770 (AF109906) - NG22 [Mus musculus] | | UNCLASSIFIED | 264488, 65274572, 56182575, 56181686, 22278995, 22278996, 22278997, 22278998, 22278999, 60432049, 264259, 29331822, 60432289, 29331826, 29331827, 29331828, 29146499, 264905, 264906, 264907, 264908, 68712502, 264909, 56182435, 264510, 264511, 265008, 264910, 60170831, 264592, 60433356, 33657402, 264594, 60433438, 264596, 55812038, 33109954, 52846317, 265011, 265017, 264604, 265018, 265019, 264605, 55811150, 264681, 264448, 264288, 264686, 264688, 264769, 21908765, 21908766, 21908767, 21908768, 21908769, 55811957, 29148629, 35695917, 265020, 265022, 264691, 264692, 18108364, 65274620, 33657109, 33657349, 35695763, 18108374, 263978, 55810764, 55811576, 35696423, 65274791, 264631, 264632, 264556, 264557, 60170394, 56182323, 83373044, 18108385, 60432113, 22279000, 22279002, 264566, 264486 |
| 1909 | 85514505 (3817, 3818) | Novel Protein sim. GBank gi 2224653 db BAA20813 - (AB002354) KIAA0356 [Homo sapiens] | | UNCLASSIFIED | 264259, 264508, 264905, 264906, 264907, 264908, 264511, 264910, 264593, 264738, 264764, 264766, 18108370, 264634, 264637, 264486 |
| 1910 | 94216821 (3819, 3820) | Novel Protein sim. GBank gi 1351218 sp P47226 TES2_MOUSE - TESTIN 2 (TES2) [CONTAINS: TESTIN 1 (TES1)] | Contains protein domain (PF00412) - LIM domain containing proteins | homeobox | 35696286, 22278996, 22278999, 35696052, 264509, 264905, 264906, 264907, 264908, 264909, 264511, 265007, 264512, 264910, 264758, 265011, 264601, 264602, 264604, 264605, 264761, 264764, 264288, 264766, 264768, 264687, 264769, 35695917, 265021, 52644150, 264692, 264628, 18108370, 264629, 18108372, 18108374, 35695855, 264631, 264634, 264635, 264636, 264637, 264638, 18108385, 264565, 264566, 264486 |

| | | | | | |
|------|-----------------------|--|--|--------------|---|
| 1911 | 91725345 (3821, 3822) | Novel Protein sim. GBank gi 4809339 gb AAD30184.1 AC006530 - (AC006530) hypothetical protein [Homo sapiens] | Contains protein domain (PF01119) - DNA mismatch repair protein | nuclease | 18108394, 56182575, 56182181, 29331826, 29331827, 33658970, 264906, 265007, 264591, 55812038, 87168559, 264448, 264369, 21906765, 21906768, 265022, 264691, 264693, 18108365, 55811576, 264556, 18108385, 18108388 |
| 1912 | 95413519 (3823, 3824) | Novel Protein sim. GBank gi 5689439 dbj BAA83003.1 - (AB028974) KIAA1051 protein [Homo sapiens] | Contains protein domain (PF00098) - Zinc finger, CCHC class | UNCLASSIFIED | 18108397, 56182575, 56181686, 22278994, 22278995, 56994075, 22278996, 22278999, 264259, 29331822, 29331824, 56182181, 29331825, 66714117, 35696052, 264905, 264906, 264907, 264908, 52644045, 56182435, 265007, 265008, 264910, 265009, 264591, 264596, 65274444, 55811386, 87168474, 265011, 87168559, 265018, 265019, 264760, 18108351, 264681, 264369, 264684, 264288, 264686, 264768, 21906765, 21906766, 21906767, 21906768, 21906769, 55811957, 265020, 265021, 265022, 60170615, 264692, 33657023, 264693, 18108376, 55811576, 35696423, 65274791, 264637, 56182323, 83373044, 56526486, 22279002, 264563, 264566 |
| 1913 | 95305546 (3825, 3826) | Novel Protein sim. GBank gi 5032245 ref NP_005665.1 pZNF2 - zinc finger protein (C2H2) homologous to mouse MOK-2 | | | 56182575, 22278994, 22278995, 56994075, 22278996, 22278998, 22278999, 29331826, 29331827, 265006, 55812038, 265010, 265017, 265018, 265019, 264681, 18108351, 264683, 264764, 264369, 264288, 264685, 264686, 264769, 21906765, 21906766, 21906768, 21906769, 55811957, 265020, 265022, 264691, 55811576, 264634, 264635, 264638, 56182323, 83373044, 18108385 |
| 1914 | 83423982 (3827, 3828) | Novel Protein sim. GBank gi 4589604 dbj BAA76824.1 - (AB023197) KIAA0980 protein [Homo sapiens] | Contains protein domain (PF00036) - EF hand | struct | 56182575, 29331824, 35696052, 264906, 264908, 264828, 264909, 264592, 264758, 87168559, 18108351, 18108354, 264684, 264686, 33657023, 264693, 264628, 264631, 264632, 264634, 264635, 264639 |
| 1915 | 95340459 (3829, 3830) | Novel Protein sim. GBank gi 5689415 dbj BAA82991.1 - (AB028962) KIAA1039 protein [Homo sapiens] | | UNCLASSIFIED | 264259, 29331824, 29331826, 29331827, 264508, 264909, 265009, 265017, 265019, 264768, 264769, 264689, 264628, 264635, 264637, 264639, 83373044, 264565 264693, 264639 |
| 1916 | 79640761 (3831, 3832) | | | | 264693, 264639 |

| | | | | | |
|------|-----------------------|--|--|--------------|--|
| 1917 | 87821680 (3833, 3834) | Novel Protein sim. GBank gi 5689391 dbj BAA82979.1 - (AB028950) KIAA1027 protein [Homo sapiens] | | struct | 264769, 264689, 21906765, 21906768, 22278996, 264259, 264691, 264693, 29331824, 29331825, 29331826, 29331828, 264905, 264906, 264628, 264907, 264908, 264909, 264510, 264630, 264910, 264634, 264635, 264636, 264637, 264638, 263981, 264639, 264758, 18108385, 21906754, 265011, 264604, 264563, 18108351, 264762, 264763, 264566, 264764, 264766 |
| 1918 | 95302795 (3835, 3836) | Novel Protein sim. GBank gi 5281517 gb AAD41524.1 AF15483 - (AF154831) PV-1 [Rattus norvegicus] | | struct | 264488, 18108392, 18108357, 21906765, 21906767, 21906768, 56182575, 21906769, 22278994, 35696286, 35695917, 22278996, 22278997, 265021, 265022, 264534, 264690, 264691, 264692, 33657023, 264693, 29331824, 29331825, 33657109, 29331826, 52845129, 35696052, 29331828, 27486262, 27486264, 35895763, 264508, 264905, 264509, 264906, 264628, 264907, 18108370, 264908, 264629, 264909, 18108372, 18108374, 263978, 35696423, 35695855, 264510, 264511, 285006, 265007, 264512, 265008, 264631, 265009, 264910, 264634, 264635, 264555, 264636, 264556, 264637, 264557, 264593, 264638, 264594, 60170394, 264595, 264559, 264596, 83373044, 264758, 52846317, 18108385, 52844296, 56526486, 87168518, 265010, 265011, 87168559, 264600, 264601, 264602, 265017, 264603, 264604, 265018, 264605, 264760, 264761, 264482, 264584, 18108351, 264762, 264682, 264585, 264448, 264764, 264586, 264486, 264567, 264369, 264288, 264766, 264487, 264685 |
| 1919 | 94143847 (3837, 3838) | Novel Protein sim. GBank gi 3878584 emb CAB01237 - (Z77867) cDNA EST EMBL:CO8125 comes from this gene; cDNA EST EMBL:CO9753 comes from this gene [Caenorhabditis elegans] | | oxidase | 22278997, 29331822, 265007, 60170831, 60432229, 60433438, 264448, 264682, 264288, 55811957, 33657023, 33657109, 65274781, 56182323, 22279002 |
| 1920 | 91229953 (3839, 3840) | Novel Protein sim. GBank gi 1809231 (AC000115) - coded for by human cDNAs R76043 (NID:g850725), R65857 (NID:g838495) and H12868 (NID:g877688) [Homo sapiens] | | UNCLASSIFIED | 264510, 264511, 264512, 264566 |
| 1921 | 79555226 (3841, 3842) | Novel Protein sim. GBank gi 4580997 gb AAD24571.1 AF12108 - (AF121081) cAMP inducible 2 protein [Mus musculus] | | UNCLASSIFIED | 264693 |

| | | | | | |
|------|-----------------------|--|--|---------------|--|
| 1922 | 87641863 (3843, 3844) | Novel Protein sim. GBank gi 138595 sp P02845 VIT2_CHICK - VITELLOGENIN II PRECURSOR (MAJOR VITELLOGENIN) [CONTAINS: LIPOVITELLIN I (LVI); PHOSVITIN (PV); LIPOVITELLIN II (LVII); YGP40] | | UNCLASSIFIED | 264686, 264688, 264490, 18108370, 264908, 18108374, 265008, 264557, 264564, 18108351 |
| 1923 | 94323589 (3845, 3846) | Novel Protein sim. GBank gi 119110 sp P03211 EBN1_EBV - EBNA-1 NUCLEAR PROTEIN | | UNCLASSIFIED | 264488, 264489, 22278995, 264094, 264259, 35696052, 264509, 264905, 264906, 264907, 264908, 66712502, 264908, 264511, 264512, 265007, 264910, 265009, 264591, 264592, 264593, 264594, 264595, 264758, 264596, 264759, 265011, 265017, 265018, 265019, 55811150, 264681, 264762, 264448, 264784, 264288, 264369, 264766, 264767, 264686, 264687, 264788, 264789, 56181562, 264689, 21906766, 264691, 33657023, 264693, 65274620, 33657109, 18108370, 264628, 264629, 35698423, 264630, 264631, 264632, 264634, 264555, 264636, 264637, 264638, 264639, 264558, 83373044, 87188518, 264563, 264564, 264565, 264566, 264567 |
| 1924 | 87338925 (3847, 3848) | Novel Protein sim. GBank gi 3877655 emb CAA86657 - (Z72511) possible zinc finger protein; cDNA EST EMBL:M89115 comes from this gene; cDNA EST EMBL:D71533 comes from this gene; cDNA EST EMBL:D72314 comes from this gene; cDNA EST EMBL:D75164 comes from this gene; cDNA EST EMBL:C1... | Contains protein domain (PF000097) - Zinc finger, C3HC4 type (RING finger) | | 29331826, 264906, 264908, 264595, 265017, 265018, 265019, 265021, 264691, 264693, 264637, 18108385, 264565 |
| 1925 | 87628338 (3849, 3850) | Novel Protein sim. GBank gi 4981903 gb AAD36415.1 AE00178 - (AE00178) ribosomal protein S15 [Thermotoga maritima] | Contains protein domain (PF00312) - Ribosomal protein S15 | ribosomalprot | 22278995, 22278996, 22278997, 264259, 29331824, 66714117, 29148499, 264909, 52644045, 265008, 265009, 264758, 265011, 265017, 264605, 264448, 264288, 264692, 33657109, 18108374, 60170394 |
| 1926 | 88094739 (3851, 3852) | Novel Protein sim. GBank gi 2246532 U93872 - ORF 73, contains large complex repeat CR 73 [Kaposi's sarcoma- associated herpesvirus] | | struct | 264905, 264906, 264907, 264910, 264593, 265018, 264760, 264764, 264288, 264692, 264693, 263978, 264631, 264634, 264637, 264563 |
| 1927 | 85654857 (3853, 3854) | Novel Protein sim. GBank gi 3043632 dbj BAA25480 - (AB011126) KIAA0554 protein [Homo sapiens] | | | 264689, 264631 |
| 1928 | 87799054 (3855, 3856) | Novel Protein sim. GBank gi 1665761 dbj BAA13377 - (D87433) KIAA0246 [Homo sapiens] | Contains protein domain (PF00193) - Extracellular link domain | Inf | 264489, 264259, 265017, 265021, 264692 |
| 1929 | 86997236 (3857, 3858) | Novel Protein sim. GBank gi 5001993 gb AAD37247.1 AF13432 - (AF13432) chimeric AFGP/hypsinogen-like serine protease precursor [Dissostichus mawsoni] | | UNCLASSIFIED | 264508, 264591, 33657402, 265017, 264768, 264632, 264556, 264639 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 1930 | 87889128 (3859, 3860) | Novel Protein sim. GBank gi 1709230 sp P52963 NBL4_MOUSE - NBL4 PROTEIN | | phosphatase | 35696286, 29331828, 264905, 264907, 264908, 264909, 264511, 264910, 264758, 264601, 265017, 265019, 264805, 264760, 264764, 264766, 264686, 264769, 265022, 35698423, 264638, 60432113 |
| 1931 | 87797279 (3861, 3862) | Novel Protein sim. GBank gi 404634 (U01840) - serine/threonine kinase [Mus musculus] | Contains protein domain (PF00069) - Eukaryotic protein kinase domain | kinase | 264906, 264908, 60432229, 264758, 264764, 264288, 265020, 264692, 264634, 264637, 264684, 264691, 264635 |
| 1932 | 15030972 (3863, 3864) | | | UNCLASSIFIED | 264595 |
| 1933 | 11813688 (3865, 3866) | | | struct | 56182575, 56182435, 264510, 264757, 264758, 55812038, 55811386, 265018, 55811150, 21906765, 264691, 264631, 264635, 264637 |
| 1934 | 84426360 (3867, 3868) | Novel Protein sim. GBank gi 4115748 db BAA36494 - (AB022023) nonmuscle myosin heavy chain B [Bos taurus] | | UNCLASSIFIED | 264686, 265011, 264511, 264905, 18108351, 264584, 264681, 264259, 18108370, 264566, 264764, 264369, 264595 |
| 1935 | 87752511 (3869, 3870) | | | | 60432289, 265007, 265010, 265011, 265019, 33657109, 18108374 |
| 1936 | 95414338 (3871, 3872) | Novel Protein sim. GBank gi 4827040 ref NP_005110.1 pTRAP - thyroid hormone receptor-associated protein, 150 kDa subunit | | | |
| 1937 | 94847141 (3873, 3874) | Novel Protein sim. GBank gi 543187 pr S37771 - ankyrin, erythrocyte - mouse | Contains protein domain (PF00023) - Ank repeat | kinase | 85658542, 21906767, 35695917, 60170615, 264693, 33657109 |
| 1938 | 87403277 (3875, 3876) | Novel Protein sim. GBank gi 4544431 gb AAD2340.1 AC00695 - (AC006955) hypothetical protein [Arabidopsis thaliana] | Contains protein domain (PF00888) - Cullin family | collagen | 264488, 29146498, 264905, 264559 |
| 1939 | 91004978 (3877, 3878) | Novel Protein sim. GBank gi 500858 db BAA03210 - (D14168) 50kDa lectin [Bombyx mori] | | UNCLASSIFIED | 65274572, 22278999, 60432289, 56182435, 60433356, 265017, 21906765, 21906768, 21906768, 55811957, 27486264, 35696423, 60432113, 264564 |
| 1940 | 87348810 (3879, 3880) | Novel Protein sim. GBank gi 1946300 emb CAA73132 - (Y12529) hypothetical protein [Silene latifolia] | Contains protein domain (PF00560) - Leucine Rich Repeat | struct | 264488, 29331822, 264448, 264683, 264288, 265020, 33657023, 264631 |
| 1941 | 94147177 (3881, 3882) | Novel Protein sim. GBank gi 4206386 (AF060570) - rig-1 protein [Mus musculus] | | UNCLASSIFIED | 56994075, 22278998, 264259, 29331824, 29331827, 264905, 265008, 33657084, 265017, 265018, 264288, 264687, 21906765, 21906766, 21906767, 265020, 52644150, 27486284, 83373044, 18108387, 60432113, 22279002, 264565 |
| 1942 | 87641870 (3883, 3884) | Novel Protein sim. GBank gi 4927204 gb AAD33049.1 AF133911) ARL-6 interacting protein-4 [Mus musculus] | | UNCLASSIFIED | 264488, 18108398, 29331825, 27486261, 264509, 18108370, 18108374, 264482 |
| 1943 | 94325298 (3885, 3886) | Novel Protein sim. GBank gi 3122952 sp O15736 TIPD_DICDI - TIPD PROTEIN | Contains protein domain (PF00400) - WD domain, G-beta repeat | kinase | 22278998, 29331822, 29331827, 35696052, 264511, 265009, 264592, 60432229, 265017, 265018, 265019, 264684, 264692, 33657109, 65274791, 264636 |

| | | | | | |
|------|-----------------------|--|--|--------------|--|
| 1944 | 94232958 (3887, 3888) | Novel Protein sim. GBank gi 1799570 dbj BAA13432 - (D87671) TIP120 (Rattus norvegicus) | | UNCLASSIFIED | 65274572, 22278994, 22278995, 22278996, 22278998, 22278999, 264259, 52645080, 29331824, 29331826, 29331827, 66712502, 56182435, 264512, 264910, 60170831, 60432229, 60433356, 33657402, 60433438, 264596, 33109954, 21906754, 87168474, 87168559, 265017, 265018, 265019, 18108351, 264369, 264686, 264768, 21906765, 21906766, 21906767, 21906769, 35695917, 265020, 265021, 60170615, 264692, 33657023, 18108370, 18108374, 35696423, 35695855, 264634, 60170394, 264639, 83373044, 18108385, 56526486, 87168518, 60432113, 22279000, 264563, 264488, 22278996, 264510, 264511, 18108351, 264683, 264486, 264567 |
| 1945 | 87641672 (3889, 3890) | Novel Protein sim. GBank gi 4927204 gb AAD33049.1 AF13391 - (AF133911) ARL-6 interacting protein-4 [Mus musculus] | | UNCLASSIFIED | |
| 1946 | 87443990 (3891, 3892) | Novel Protein sim. GBank gi 2498104 sp Q27969 AD50_BOVIN - ADRENAL MEDULLA 50 KD PROTEIN | | UNCLASSIFIED | |
| 1947 | 86438862 (3893, 3894) | Novel Protein sim. GBank gi 3914801 sp Q54888 RPA2_RAT - DNA-DIRECTED RNA POLYMERASE I 135 KD POLYPEPTIDE (RNA POLYMERASE I SUBUNIT 2) (RPA135) (RNA POLYMERASE I 127 KD SUBUNIT) | | mapolymerase | 27486264, 264637, 87168518, 264563, 22278998, 264905, 264906, 264908, 264909, 264512, 264758, 264762, 264682, 264683, 264764, 264288, 264768, 264688, 21906768, 264693, 18108374, 35695855, 264635, 264637, 264638, 18108385, 22279002, 264909, 60170831, 264591, 264594, 235010, 265011, 264764, 264369, 264689, 264631, 264638 |
| 1948 | 95199174 (3895, 3896) | Novel Protein sim. GBank gi 5420387 emb CAB46679.1 - (AJ243459) proteophosphoglycan [Leishmania major] | | struc1 | |
| 1949 | 7640129 (3897, 3898) | | | | 264369 |
| 1950 | 87768531 (3899, 3900) | Novel Protein sim. GBank gi 3876766 emb CAA93466.1 - (Z69637) predicted using GeneFinder; Similarity to E.coli hypothetical protein YCAC (SW:YCAC_ECOLI) [Caenorhabditis elegans] | Contains protein domain (PF00857) - Isochorismatase family | UNCLASSIFIED | 264488, 264768, 264688, 264689, 264259, 29331822, 33657109, 29331828, 264103, 264509, 18108370, 35695855, 264510, 265008, 265009, 33657402, 18108385, 265018, 264563, 55811150, 18108351, 264369, 264288, 18108354 |
| 1951 | 86988253 (3901, 3902) | Novel Protein sim. GBank gi 2626753 dbj BAA23424 - (AB008782) sulfate transporter [Arabidopsis thaliana] | Contains protein domain (PF00916) - Sulfate transporter family | transport | 56182575, 22278997, 52645080, 29331824, 29331825, 29331827, 55812038, 52646317, 265018, 265019, 264369, 21906765, 21906767, 55811957, 265020, 265021, 33657023, 264693, 35695763, 56182323, 22279002 |
| 1952 | 87069775 (3903, 3904) | Novel Protein sim. GBank gi 4929633 gb AAD34077.1 AF15184 - (AF151840) CGI-92 protein [Homo sapiens] | Contains protein domain (PF00106) - short chain dehydrogenase | reductase | 264591, 264593, 264594, 264595, 264555, 264556, 264557, 264558, 264565 |

| | | | | | |
|------|-----------------------|--|--|--------------|---|
| 1953 | 20470371 (3905, 3906) | Novel Protein sim. GBank gi 1168715 sp P31721 C1QB_RAT - COMPLEMENT C1Q SUBCOMPONENT, B CHAIN PRECURSOR | Contains protein domain (PF00386) - C1q domain | complement | 264259, 264558 |
| 1954 | 91226025 (3907, 3908) | Novel Protein sim. GBank gi 4240271 db BAA74914.1 - (AB020698) KIAA0891 protein [Homo sapiens] | Contains protein domain (PF00443) - Ubiquitin carboxyl-terminal hydrolase family 2 | ubiquitin | 264488, 263994, 18108394, 35696286, 22278998, 29331822, 66714117, 29331826, 29331827, 264508, 264509, 264905, 264906, 264907, 264908, 264909, 264510, 265006, 265007, 265008, 264910, 265009, 60170831, 60432229, 265011, 265017, 264603, 264604, 265019, 18108351, 264685, 264766, 264769, 35895917, 265020, 265021, 264691, 33657023, 264692, 33657109, 264628, 18108374, 35696423, 55811576, 35695855, 264630, 264635, 264636, 264555, 264556, 264638, 264557, 264639, 264558, 264559, 83373044, 18108385, 264563, 264564, 264566, 264488, 264567 |
| 1955 | 95308310 (3909, 3910) | | | UNCLASSIFIED | 56182575, 56181686, 22278994, 22278999, 264259, 29331822, 56182181, 29331824, 29331825, 29331826, 29331827, 35696052, 264508, 29331830, 265008, 265009, 264591, 55812038, 87168474, 265017, 265018, 265019, 264448, 264766, 21906765, 21906766, 21906767, 55811957, 265020, 265021, 52645129, 33657109, 27486264, 33657349, 35695763, 60431528, 18108374, 55811576, 35695855, 264635, 60431850, 264639, 83373044 |
| 1956 | 9502121 (3911, 3912) | Novel Protein sim. GBank gi 1665821 db BAA13407 - (D87469) Similar to D.melanogaster cadherin-related tumor suppressor [Homo sapiens] | Contains protein domain (PF00028) - Cadherin domain | cadherin | 264488, 56182575, 22278996, 22278999, 264259, 29331822, 29331824, 29331825, 29331827, 35696052, 29331828, 264508, 264906, 264908, 264909, 264511, 265007, 264910, 264591, 55812038, 265010, 265018, 18108351, 264768, 56181562, 264689, 21906768, 21906769, 265022, 264691, 264628, 18108374, 55810764, 55811576, 35695855, 264631, 264632, 264635, 264637, 264639, 60170394, 56182323, 83373044, 18108385, 22279000, 22279002, 264563, 264564 |

| | | | | | |
|------|-----------------------|---|--|--------------|--|
| 1957 | 94326510 (3913, 3814) | Novel Protein sim. GBank gij4589674[dbj BAA76856.1] - (AB023229) KIAA1012 protein [Homo sapiens] | | UNCLASSIFIED | 52646842, 56182575, 22278997, 22278998, 22278999, 29331824, 66714117, 29331827, 29146498, 264593, 33657402, 33109954, 87168474, 265018, 264448, 264369, 264288, 264768, 21906766, 21908767, 21906768, 21906769, 265020, 265021, 264692, 65274620, 27486264, 33657349, 27486265, 35695855, 22279002, 264482 |
| 1958 | 95313902 (3915, 3916) | Novel Protein sim. GBank gij4240227[dbj BAA74892.1] - (AB020676) KIAA0869 protein [Homo sapiens] | | UNCLASSIFIED | 22278998, 264092, 264094, 264259, 60432049, 29331824, 56182181, 66714117, 264107, 264109, 264909, 264511, 60170831, 60432229, 21906754, 265010, 21906769, 35695917, 265022, 65274620, 263967, 263976, 35696423, 264631, 264632, 264634, 264635, 18108385, 22279000, 22279002 |
| 1959 | 85701470 (3917, 3918) | Novel Protein sim. GBank gij2281983[emb CAB10860] - (Z98056) hypothetical protein [Schizosaccharomyces pombe] | | ubiquitin | 264593, 265019 |
| 1960 | 80308608 (3919, 3920) | Novel Protein sim. GBank gij2274851[dbj BAA21515] - (D64159) 3-7 gene product [Homo sapiens] | | struct | 264905, 264906, 264907, 264908, 264909, 265006, 265007, 264910, 264595, 265017, 264604, 265018, 18108351, 264764, 264369, 264766, 264768, 21906765, 18108368, 264629, 18108379, 264635, 264636, 264637, 264638, 264486 |
| 1961 | 16232607 (3921, 3922) | | | | 264635 |
| 1962 | 91008385 (3923, 3924) | | | UNCLASSIFIED | 65274572, 264592, 264593, 265019, 264691 |
| 1963 | 90936017 (3925, 3926) | Novel Protein sim. GBank gij3721653[dbj BAA33581] - (AB012933) acyl-CoA synthetase 5 [Rattus norvegicus] | | eph | 65274572, 18108398, 35696286, 29331825, 60432289, 29331827, 264828, 265006, 265009, 60433356, 60433438, 21906754, 265020, 265021, 33657023, 33657109, 27486265, 35695855, 264555 |
| 1964 | 94317605 (3927, 3928) | Novel Protein sim. GBank gij5262638[emb CAB45757.1] - (AL080169) hypothetical protein [Homo sapiens] | | cadherin | 264488, 264092, 264259, 264509, 264905, 264906, 264907, 264908, 264909, 264510, 264511, 265007, 265009, 264910, 264592, 264593, 264594, 264595, 264758, 264600, 264603, 264604, 264605, 264760, 264762, 264448, 264764, 264288, 264685, 264766, 264768, 264769, 21906766, 264691, 264692, 264693, 18108370, 264628, 264629, 18108374, 264630, 264631, 264634, 264636, 264637, 264638, 18108382, 83373044, 18108385, 264483, 264584, 264565, 264566, 264486, 264567 |
| 1965 | 94317445 (3929, 3930) | Novel Protein sim. GBank gij4107017[dbj BAA36294] - (AB001773) PEM-6 [Clona savignyi] | Contains protein domain (PF01428) - AN1-like Zinc finger | ubiquitin | 264488, 264510, 264760, 264768, 264486 |

| | | | | | |
|------|-----------------------|---|---|--------------|---|
| 1866 | 94192058 (3931, 3932) | Novel Protein sim. GBank gil4929707[gb/AAD34114.1][AF15187 - (AF151877) CGI-119 protein (Homo sapiens)] | Contains protein domain (PF01027) - Uncharacterized protein family | glycoprotein | 22278999, 264092, 264259, 29331828, 29331828, 29146498, 264595, 265011, 264448, 18108354, 264288, 264684, 264766, 264685, 264686, 265022, 264691, 264692, 18108370, 18108377, 264555, 18108381, 18108385, 264488, 264567 |
| 1867 | 87396123 (3933, 3934) | Novel Protein sim. GBank gil2957270 (AF044576) - phospholipase C PLC210 [Caenorhabditis elegans] | Contains protein domain (PF00388) - Phosphatidylinositol-specific phospholipase C, X domain | esterase | 29331824, 265010, 265017, 264288, 21906764, 263981, 56526486 |
| 1868 | 88095841 (3935, 3936) | Novel Protein sim. GBank gil2564953 (AF030001) - unknown [Mus musculus] | Contains protein domain (PF00008) - EGF-like domain | oncogene | 35698286, 264905, 264509, 264906, 264907, 264908, 264909, 264511, 264512, 265008, 264910, 265009, 264594, 264757, 264758, 264604, 264605, 264760, 264762, 264682, 264764, 264685, 264766, 264767, 264689, 264691, 264693, 264628, 264629, 35698423, 35695855, 264631, 264632, 264634, 264635, 264636, 264637, 18108380, 264564, 264565, 264566, 264567 |
| 1869 | 84328529 (3937, 3938) | Novel Protein sim. GBank gil2911274 (U20329) - spidrolin 1 [Nephila clavipes] | | UNCLASSIFIED | 22278995, 22278996, 35696052, 264906, 264908, 18108351, 264482 |
| 1870 | 80596049 (3939, 3940) | Novel Protein sim. GBank gil4050087 (AF109907) - S164 [Homo sapiens] | | UNCLASSIFIED | 264908, 264288, 264766, 264636 |
| 1871 | 94843914 (3941, 3942) | Novel Protein sim. GBank gil134208[sp/P09593]SANT_PLAFV - S-ANTIGEN PROTEIN PRECURSOR | | collagen | 264488, 264489, 22278998, 264259, 60432049, 66714117, 29331826, 60432289, 29331827, 35696052, 264508, 264905, 264509, 264906, 264907, 264908, 264909, 264510, 264511, 264512, 264910, 264591, 264592, 60432229, 60433356, 264595, 264596, 264600, 264604, 264605, 264760, 18108351, 264448, 264764, 264288, 264766, 264768, 264769, 21906765, 33657023, 264692, 18108370, 264629, 35696423, 65274791, 35695855, 264632, 264635, 264555, 264636, 264637, 264638, 264639, 18108385, 60432113, 22279000, 264563, 264564, 264585, 264586, 264488 |
| 1872 | 87645444 (3943, 3944) | Novel Protein sim. GBank gil4519623[dbj/BAA75671.1] - (AB017616) homologous to the yeast YGR163 gene [Mus musculus] | Contains protein domain (PF01462) - Leucine rich repeat N-terminal domain | | 22278999, 264259, 29331822, 56182181, 60432289, 29331827, 52644045, 264909, 265006, 264511, 265008, 52644296, 265018, 265019, 264761, 264689, 21906768, 21906769, 264691, 264693, 33657109, 33657182, 264556, 52644332, 264558, 60432113 |
| 1873 | 86395533 (3945, 3946) | | | UNCLASSIFIED | 29331826, 264692, 35696423, 264631, 264555, 264556, 264557, 264558, 264559, 264682, 264764, 264563 |
| 1874 | 80396629 (3947, 3948) | Novel Protein sim. GBank gil3309543 (AF036382) - MILL [Fugu rubripes] | | UNCLASSIFIED | |

| | | | | | |
|------|-----------------------|---|--|------------------|--|
| 1975 | 94316479 (3949, 3950) | | | UNCLASSIFIED | 264488, 66714117, 29331826, 29331828, 56182435, 265006, 264757, 55812038, 265010, 265017, 264369, 55811957, 65274791, 35695855, 56182323, 60432113, 264259, 35696052, 265018, 265020, 265021, 33657109, 56526486 |
| 1976 | 95358914 (3951, 3952) | | | UNCLASSIFIED | |
| 1977 | 94852664 (3953, 3954) | Novel Protein sim. GBank gi 249528 sp Q07782 NASU_RAT - SODIUM/SULFATE COTRANSPORTER (NA(+)/SULFATE COTRANSPORTER) | | homeobox | 264908, 264596, 265021, 264566 |
| 1978 | 87447645 (3955, 3956) | Novel Protein sim. GBank gi 103421 pir I33471 - transcription factor NTF1 - fruit fly (Drosophila melanogaster) (fragment) | | transcriptfactor | 60170831, 264566 |
| 1979 | 87627709 (3957, 3958) | Novel Protein sim. GBank gi 2244815 emb CAB10238.1 - (Z97336) hypothetical protein [Arabidopsis thaliana] | | UNCLASSIFIED | 29331826, 29146498, 264905, 264907, 265007, 265009, 265010, 265018, 264686, 18108359, 21906768, 35695917, 265020, 60170615, 264693, 18108368, 18108370, 264631, 264635, 264556, 264558, 18108384, 22279000, 264565 |
| 1980 | 86577059 (3959, 3960) | Novel Protein sim. GBank gi 4759290 ref NP_004642.1 pUSP1 - Ubiquitin carboxyl- terminal hydrolase, X-linked | | ubiquitin | 264489 |
| 1981 | 87606974 (3961, 3962) | Novel Protein sim. GBank gi 4406693 gb AAD20060 - (AF131849) Unknown [Homo sapiens] | | UNCLASSIFIED | 22278995, 22278997, 22278999, 264259, 29331825, 29331828, 29146498, 29146499, 264107, 264906, 264910, 264595, 21906754, 265010, 265017, 265018, 265019, 264448, 264288, 21906767, 33657023, 27486264, 18108370, 18108374, 18108376, 264630, 264631, 264635, 18108385, 87168519, 22279000, 264482, 264564 |
| 1982 | 90995367 (3963, 3964) | Novel Protein sim. GBank gi 5689523 dbj BAA83045.1 - (AB029016) KIAA1093 protein [Homo sapiens] | | | 65274572, 29331825, 35696052, 33656970, 264909, 265008, 55811386, 264760, 264686, 264691, 27486264 |
| 1983 | 95098668 (3965, 3966) | Novel Protein sim. GBank gi 3417297 (AC002310) - Unknown gene product [Homo sapiens] | Contains protein domain (PF000096) - Zinc finger, C2H2 type | transcriptfactor | 22278996, 35696286, 264259, 29331822, 20281099, 29331824, 60432289, 29331827, 264509, 264905, 264906, 264907, 66712502, 264908, 52644045, 264909, 264510, 264512, 264910, 265009, 264591, 264592, 60433356, 60433438, 264758, 265010, 264600, 264603, 264604, 264760, 264762, 264763, 264764, 264766, 264687, 264768, 264769, 21906765, 55811957, 35695917, 264690, 264692, 264693, 264628, 264629, 263978, 18108379, 35696423, 35695855, 20281071, 264632, 264634, 264635, 264555, 264636, 264637, 264638, 264639, 83373044, 18108385, 22279000, 22279002 |

| | | | | | |
|------|-----------------------|---|--|--------------|--|
| 1984 | 85760989 (3967, 3968) | Novel Protein sim. GBank gij2896895[embjCAA17174.1] - (AL021897) tadD14 [Mycobacterium tuberculosis] | | synthase | 264688, 21906766, 55811957, 56994075, 265020, 265021, 22278999, 265022, 264259, 29331822, 33857182, 29146499, 264628, 18108370, 264908, 264629, 55811576, 35695855, 265006, 265007, 264591, 21906754, 33657084, 265010, 265017, 265019, 264288 |
| 1985 | 85636897 (3969, 3970) | Novel Protein sim. GBank gij5712131[gbjAAD47379.1]AF12049 - (AF120499) DEM1 protein [Homo sapiens] | | glycoprotein | 264760, 264288, 263978, 55811576, 264637, 56182323, 18108385, 264564 |
| 1986 | 80200507 (3971, 3972) | Novel Protein sim. GBank gij4868443[gbjAAD31319.1]AF14457 - (AF144573) Mx-interacting protein kinase PKM [Mesocricetus auratus] | Contains protein domain (PF00069) - Eukaryotic protein kinase domain | UNCLASSIFIED | 264488, 264629 |
| 1987 | 87011117 (3973, 3974) | | | | 22278999, 29331830, 265007, 265018, 21906768, 33657023, 264692, 264693, 18108377, 264635, 60170394, 22279002 |
| 1988 | 94122108 (3975, 3976) | | | UNCLASSIFIED | 264905, 264906, 264907, 264908, 264909, 264910, 264591, 264593, 264758, 264764, 264686, 264768, 265021, 264692, 264628, 264629, 35695855, 264630, 264635, 264636, 264637, 264638, 264639, 264483 |
| 1989 | 91225225 (3977, 3978) | Novel Protein sim. GBank gij2801701 (AF042379) - spindle pole body protein spc97 homolog GCP2 [Homo sapiens] | | tubulin | 60432049, 60432289, 52644045, 56182435, 264112, 265007, 33657402, 52644229, 21906765, 21906768, 21906769, 55811957, 33657023, 263967, 33657109, 18108370, 22279000, 22279002 |
| 1990 | 85699888 (3979, 3980) | Novel Protein sim. GBank gij5701727[dbj]BAA83074.1] - (AB024729) alpha-1,3-D-mannoside beta-1,4-N-acetylglucosaminyltransferase IV-homologue [Homo sapiens] | | | 264508, 264757, 264764, 18108381 |
| 1991 | 95353114 (3981, 3982) | Novel Protein sim. GBank gij4240287[dbj]BAA74922.1] - (AB020706) KIAA0899 protein [Homo sapiens] | Contains protein domain (PF01602) - Adaplin N terminal region | glycoprotein | 18108394, 56182575, 22278994, 35696286, 56994075, 22278997, 22278999, 29331822, 29331824, 29331825, 60432289, 29331828, 264508, 264906, 264907, 264908, 56182435, 264510, 265007, 21906754, 33109954, 87168474, 265017, 265018, 265019, 264762, 18108351, 264763, 264683, 264369, 264288, 264685, 264766, 264687, 264769, 21906765, 21906768, 21906769, 55811957, 265020, 60431528, 263974, 18108379, 35695855, 264555, 264557, 264639, 83373044, 18108384, 87168518, 60432113, 22279000, 22279002, 264564, 264486 |
| 1992 | 95317232 (3983, 3984) | Novel Protein sim. GBank gij2246532 (U93872) - ORF 73, contains large complex repeat CR 73 [Kaposi's sarcoma-associated herpesvirus] | Contains protein domain (PF00096) - Zinc finger, C2H2 type | struct | 29331827, 264906, 264907, 264909, 265007, 264603, 264766, 264686, 264768, 21906768, 264628, 264635, 264636, 18108385, 56526486, 264566, 264567 |
| 1993 | 80054763 (3985, 3986) | Novel Protein sim. GBank gij2565091 (U80761) - CTG26 alternate open reading frame [Homo sapiens] | | UNCLASSIFIED | 264592, 35696423 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 1994 | 94329114 (3987, 3988) | Novel Protein sim. GBank gij5630077 gb AAD45822.1 AC00601 - (AC006017) similar to ALR; similar to AAC51735 (PID:g2358287) [Homo sapiens] | Contains protein domain (PF00856) - SET domain | mapolymerase | 264488, 22278997, 22278998, 22278999, 29331822, 29331824, 29331825, 29331826, 29331827, 29331828, 284905, 264907, 284908, 265006, 60432229, 33657402, 60433356, 264757, 60433438, 264758, 33109954, 265011, 265017, 265018, 265019, 264684, 264369, 264685, 264686, 264768, 21906765, 21906767, 21906768, 21906769, 265020, 264690, 18108382, 264693, 65274620, 18108370, 264635, 264555, 264556, 264557, 56182323, 83373044, 56526486, 22279000, 22279002, 264564 |
| 1995 | 95414353 (3989, 3990) | Novel Protein sim. GBank gij4827040 ref NP_005110.1 pTRAP - thyroid hormone receptor-associated protein, 150 kDa subunit | | UNCLASSIFIED | 264488, 18108396, 22278994, 56994075, 22278996, 35696286, 22278997, 22278999, 264259, 29147620, 56182181, 29331824, 60432289, 29331826, 29331827, 35696052, 29146499, 284905, 264907, 66712502, 56182435, 265006, 265007, 265008, 265009, 60431735, 60433356, 33657402, 264595, 55812038, 33657084, 55811386, 85658542, 265010, 265011, 265017, 265018, 265019, 264761, 264762, 264448, 264683, 264764, 264288, 264766, 264686, 264768, 264769, 56181562, 264689, 21906765, 21906766, 21906767, 29148627, 21906768, 21906769, 29148629, 29148784, 265020, 265021, 264690, 18108361, 264693, 27486262, 27486264, 27486265, 18108370, 60431528, 18108374, 18108377, 35696423, 55811576, 65274791, 35695855, 264631, 264634, 264635, 264555, 264636, 60431850, 264557, 264558, 264559, 83373044, 20798451, 87168518, 264404, 60432113, 264567 264564 |
| 1996 | 80254186 (3991, 3992) | Novel Protein sim. GBank gjj791146 emb CAA60020 - (X86028) extensin-like protein [Vigna unguiculata] | | UNCLASSIFIED | |
| 1997 | 87028423 (3993, 3994) | Novel Protein sim. GBank gjj2642034 (AF034547) - protein phosphatase M130 myosin binding subunit [Ovis aries] | Contains protein domain (PF00023) - Ank repeat | phosphatase | 264908, 264909, 264592, 264593 |
| 1998 | 85262704 (3995, 3996) | Novel Protein sim. GBank gjj4589634 dbj BAA76839.1 - (AB023212) KIAA0995 protein [Homo sapiens] | | UNCLASSIFIED | 264113, 264685, 264555, 264567 |

| | | | | | |
|------|-----------------------|--|--|--------------|---|
| 1999 | 94324903 (3997, 3998) | Novel Protein sim. GBank gil5225312 gb AAD40846.1 AF07244 - (AF072441) calcineurin binding protein cabin 1 (Homo sapiens) | Contains protein domain (PF00515) - TPR Domain | UNCLASSIFIED | 18108394, 18108397, 35696286, 60424269, 29331827, 29331828, 35696052, 265006, 264512, 55811386, 265010, 265018, 265019, 55811150, 18108351, 264763, 264682, 264369, 264685, 264686, 56181562, 265020, 264691, 33657023, 264693, 33657109, 27486264, 18108370, 18108379, 35695855, 264634, 264635, 264636, 264555, 264557, 56182323, 18108382, 264559, 83373044, 60432113, 22279000, 264563, 264564, 264566 |
| 2000 | 95413705 (3999, 4000) | Novel Protein sim. GBank gil723232 sp Q10155 YATA_SCHPO - HYPOTHETICAL 90.6 KD PROTEIN C1D4.10 IN CHROMOSOME I | | UNCLASSIFIED | 52646365, 52646842, 22278994, 22278995, 22278996, 35696286, 22278997, 22278998, 22278999, 264259, 52645080, 29331822, 29331826, 29331827, 29331828, 35696052, 264106, 29331830, 52644045, 265007, 265008, 60170831, 264592, 264593, 33657402, 60433438, 21906754, 52644296, 265017, 265018, 265019, 264761, 264369, 264288, 52644229, 21906765, 21906766, 21906767, 21906768, 21906769, 35695917, 265020, 265021, 60170615, 52644150, 33657023, 65274620, 52645129, 27486261, 27486262, 27486264, 35695763, 35696423, 35695855, 264631, 52644332, 56182323, 60170394, 83373044, 56526486, 22279002, 264566, 264567 |
| 2001 | 95072534 (4001, 4002) | Novel Protein sim. GBank gil107560 pir JB38637 - Ras inhibitor (clone JC265) - human (fragment) | | UNCLASSIFIED | 264769, 52644229, 65274572, 21906768, 22278996, 35696286, 35695917, 265020, 22278999, 264534, 264490, 264259, 264692, 60432289, 33657109, 35696052, 264508, 264509, 18108370, 60431528, 18108374, 35696423, 65274791, 35695855, 264510, 264511, 264512, 265009, 264634, 264636, 264555, 264556, 264638, 264557, 264558, 264559, 60433438, 83373044, 264759, 18108385, 265011, 264600, 264601, 60432113, 264603, 264604, 264605, 264448, 264288, 264765 |
| 2002 | 80236368 (4003, 4004) | Novel Protein sim. GBank gil729433 sp P38657 ER60_BOVIN - PROBABLE PROTEIN DISULFIDE ISOMERASE ER-60 PRECURSOR (ERP60) (58 KD MICROSOMAL PROTEIN) (P58) | Contains protein domain (PF00085) - Thioredoxin | isomerase | 264907, 265006, 264910, 264603, 264692, 264629, 18108374, 264556, 264557 |
| 2003 | 80074449 (4005, 4006) | Novel Protein sim. GBank gil86388 pir JA27040 - neurofilament triplet M protein - chicken (fragment) | | UNCLASSIFIED | 264905, 264906, 264908, 264910, 264596, 265017, 18108351, 264692, 264629, 264634, 264565 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 2004 | 95317318 (4007, 4008) | Novel Protein sim. GBank gij4884249[embjCAB43230.1] - (AL049996) hypothetical protein [Homo sapiens] | Contains protein domain (PF00076) - RNA recognition motif. (a.k.a. RRM, RBD, or RNP domain) | dna_rna_bind | 52645156, 52646842, 52646365, 56182575, 22278994, 22278995, 56994075, 22278996, 35696266, 22278997, 22278998, 22278999, 60432049, 264259, 52645080, 29331824, 29331826, 29331827, 35696052, 29331828, 33656970, 29331830, 264908, 264592, 60433356, 33657402, 52646317, 21906754, 33657084, 52644296, 87168474, 87168559, 265017, 265018, 265019, 264763, 264683, 264288, 52644229, 21906765, 21906766, 21906767, 21906768, 21906769, 35695917, 265020, 265021, 265022, 52644150, 33657023, 52645129, 33657109, 33657182, 27486261, 27486262, 33657349, 27486265, 35695763, 18108374, 18108376, 18108377, 35696423, 35695855, 264631, 52644332, 264558, 18108385, 56526486, 87168518, 60432113, 264483 |
| 2005 | 87400864 (4009, 4010) | Novel Protein sim. GBank gij3879501[embjCAA87795] - (Z47612) similar to ubiquitin carboxyl-terminal hydrolase; cDNA EST EMBL:D33366 comes from this gene; cDNA EST EMBL:D33365 comes from this gene; cDNA EST EMBL:D33822 comes from this gene; cDNA EST EMBL:D34547 comes from this ge... | | ubiquitin | 264488, 264906 |
| 2006 | 95351177 (4011, 4012) | Novel Protein sim. GBank gij4106673[embjCAA22613] - (AL035064) queuine trna-ribosyltransferase [Schizosaccharomyces pombe] | Contains protein domain (PF01702) - Queuine tRNA-ribosyltransferase | UNCLASSIFIED | 56182575, 56181686, 22278995, 22278996, 22278997, 22278998, 22278999, 264259, 56182181, 60424269, 66714117, 35696052, 264906, 66712502, 264909, 264510, 60433356, 85658542, 265010, 265018, 265019, 264682, 264448, 264288, 264768, 29148627, 21906769, 29148784, 35695917, 60170615, 264691, 33657023, 65274620, 33657109, 55810764, 55811576, 35695855, 87168518, 60432113, 264563, 264482 |
| 2007 | 94325556 (4013, 4014) | Novel Protein sim. GBank gij2662161[dbjBAA23712] - (AB007900) HH0452 cDNA clone for KIAA0440 has a 438-bp insertion at position 1711 of the sequence of KIAA0440 [Homo sapiens] | | UNCLASSIFIED | 264488, 263994, 35696052, 264508, 264905, 264906, 264907, 264908, 264909, 265007, 264910, 264592, 264595, 264758, 265011, 264760, 264762, 264764, 264766, 264685, 264767, 264768, 264769, 55811957, 35695917, 265020, 264691, 264693, 264628, 264629, 65274791, 35695855, 264631, 264632, 264634, 264635, 264637, 264638, 264639, 264566 |
| 2008 | 85084428 (4015, 4016) | Novel Protein sim. GBank gij1550783[embjCAA69257] - (Y07960) homeodomain protein [Mus musculus] | Contains protein domain (PF00046) - Homeobox domain | homeobox | 264909, 264768, 35695855 |

| | | | | | |
|------|------------------------|--|--|--------------|--|
| 2009 | 854748240 (4017, 4018) | Novel Protein sim. GBank gij3882305[dbj]BAA34512.1] - (AB018335) KIAA0792 protein [Homo sapiens] | | UNCLASSIFIED | 22278999, 264259, 264910, 264591, 265017, 264681, 264683, 21906768, 264691, 33657182, 33657349, 264631, 87168518, 264404, 22279002, 264583 |
| 2010 | 85422458 (4019, 4020) | Novel Protein sim. GBank gij5262629[embj]CAB45753.1] - (AL080164) hypothetical protein [Homo sapiens] | Contains protein domain (PF000057) - eph Low-density lipoprotein receptor domain class A | | 52644507, 52645156, 52646365, 52646842, 18108397, 65274572, 22278994, 58994075, 35696286, 22278996, 22278997, 22278999, 264259, 29331822, 52645080, 29331824, 29331825, 29331826, 29331827, 29331828, 264511, 265007, 264512, 265008, 265009, 60432229, 60433356, 21906754, 52646317, 33109954, 52644296, 87168474, 87168559, 265017, 265018, 265019, 264681, 264685, 264687, 52644229, 264689, 21906765, 21906766, 21906767, 21906768, 35695917, 265020, 52644150, 264691, 264692, 33657023, 263987, 52645129, 35695763, 18108376, 35696423, 65274791, 35695855, 264631, 264634, 60431850, 264637, 264638, 52644332, 60170394, 18108385, 87168518, 22279002, 264564, 264565, 264566, 264567 |
| 2011 | 94328149 (4021, 4022) | Novel Protein sim. GBank gij3347953 (AF076183) - cytosolic sorting protein PACS-1a [Rattus norvegicus] | | UNCLASSIFIED | 56182575, 56994075, 22278999, 264259, 29331824, 29331826, 29331827, 29331828, 35696052, 264906, 66712502, 265006, 265007, 265008, 265010, 265011, 265017, 265019, 264681, 264448, 264683, 264369, 264288, 264685, 264766, 264687, 21906765, 21906767, 21906768, 21906769, 265020, 265022, 264691, 33657023, 65274620, 33657109, 264629, 264557, 264559, 83373044, 87188518, 60432113, 22279002 |
| 2012 | 87772137 (4023, 4024) | Novel Protein sim. GBank gij1086678 (U41020) - coded for by C. elegans cDNA yk100g4.5; coded for by C. elegans cDNA yk100g4.3; weakly similar to human SREBP-2 basic-helix-loop-helix-leucine zipper transcription factor [Caenorhabditis elegans] | Contains protein domain (PF00409) - Kinesin light chain repeat | UNCLASSIFIED | 264259, 29331822, 29331824, 29331825, 29146498, 87188559, 265019, 264682, 264288, 264686, 21906764, 265020, 265022, 33657023, 264693, 33657109, 55811576, 264632, 264558, 56182323, 264639, 18108383, 18108384, 18108388, 22279000, 22279002, 264567 |
| 2013 | 94843842 (4025, 4026) | Novel Protein sim. GBank gij4507985[ref]NP_003427.1]pZNF1 - zinc finger protein 135 (clone pHz-17) | Contains protein domain (PF00096) - Zinc finger, C2H2 type | dna_rna_bind | 18108398, 264908, 265007, 265010, 265018, 265019, 264689, 21906767, 265020, 264692 |
| 2014 | 87347940 (4027, 4028) | Novel Protein sim. GBank gij127720[sp]P20938[MYO_P0_HETFR - MYELIN P0 PROTEIN PRECURSOR | | UNCLASSIFIED | 264488, 29331826, 264907, 264636, 264555, 264639, 264558 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 2015 | 88094922 (4029, 4030) | Novel Protein sim. GBank gij181286 pir S22697 - extensin - Volvox carterl (fragment) | | UNCLASSIFIED | 56182575, 35696286, 264259, 35696052, 264508, 264906, 264907, 264510, 264512, 87168474, 265010, 264681, 264288, 264689, 264628, 35696423, 35695855, 264639, 264563, 264564 |
| 2016 | 85298641 (4031, 4032) | Novel Protein sim. GBank gij285046 pir S26413 - l-complex protein Tcp-10 - mouse | struct | | 264102, 264508, 264110, 265009, 33108954, 21906768, 265021, 33657109, 27486282, 263972, 18108374, 263976, 264555, 264564 |
| 2017 | 79464293 (4033, 4034) | Novel Protein sim. GBank gij124735 sp P18175 INVO_PiG - INVOLUCRIN | UNCLASSIFIED | | 264685, 264636 |
| 2018 | 79637067 (4035, 4036) | Novel Protein sim. GBank gij2143910 pir S68216 - phosphatase-1 glycogen-binding (GLY)-chain - rat | phosphatase | | 264107, 264110, 264112, 265017, 263976 |
| 2019 | 87787900 (4037, 4038) | Novel Protein sim. GBank gij2078483 (U43200) - antifreeze glycoprotein AFGP polypeptide precursor [Boreogadus saida] | UNCLASSIFIED | | 264259, 264508, 264591, 265018, 264682, 264288, 264688, 22279002 |
| 2020 | 94674476 (4039, 4040) | Novel Protein sim. GBank gij4218005 (AC006135) - putative vicilin storage protein (globulin-like) [Arabidopsis thaliana] | | | 56994075, 264593, 33109954, 21906754, 21906768, 33657023, 33657109, 27486261, 87168518 |
| 2021 | 86718818 (4041, 4042) | Novel Protein sim. GBank gij585084 sp Q07803 EFGM_RAT - ELONGATION FACTOR G, MITOCHONDRIAL PRECURSOR (MEF-G) | | | 264757, 264767, 60170615, 18108385 |
| 2022 | 95295665 (4043, 4044) | Novel Protein sim. GBank gij5410230 gb AAD42992.1 AF07334 - (AF073344) ubiquitin specific protease 3 [Homo sapiens] | ubiquitin | | 18108394, 22278999, 264259, 264905, 264906, 264908, 264595, 264762, 264769, 264634, 264636, 87168518, 60432113, 22279000, 264482, 264565 |
| 2023 | 87722976 (4045, 4046) | Novel Protein sim. GBank gij5410230 gb AAD42992.1 AF07334 - (AF073344) ubiquitin specific protease 3 [Homo sapiens] | Contains protein domain (PF00442) - Ubiquitin carboxyl-terminal hydrolases family 2 | | 60433438, 265017, 264686, 264692, 264693, 264636 |
| 2024 | 87896443 (4047, 4048) | Novel Protein sim. GBank gij4755188 gb AAD29055.1 AC00701 - (AC007018) unknown protein [Arabidopsis thaliana] | UNCLASSIFIED | | 22278997, 264509, 264906, 264909, 55812038, 265017, 265021, 265022, 60170615, 264556 |
| 2025 | 87858863 (4049, 4050) | Novel Protein sim. GBank gij1655699 emb CAA69032 - (Y07752) pterophorin-S [Volvox carteri] | UNCLASSIFIED | | 55994075, 60432049, 264508, 66712502, 264112, 60170831, 87168559, 264288, 264688, 264689, 21906766, 33657109, 18108370, 264638, 18108385, 60432113, 22279000, 22279002, 264564, 264566, 264567 |
| 2026 | 94122114 (4051, 4052) | Novel Protein sim. GBank gij1655699 emb CAA69032 - (Y07752) pterophorin-S [Volvox carteri] | | | |
| 2027 | 80249001 (4053, 4054) | | UNCLASSIFIED | | 263978, 264634, 264486 |

| | | | | | |
|------|-----------------------|--|--|-------------------|--|
| 2028 | 94699884 (4055, 4056) | Novel Protein sim. GBank gi11330345 (U58755) - coded for by C. elegans cDNA yk34b1.5; coded for by C. elegans cDNA yk13h10.5; coded for by C. elegans cDNA yk46e8.5; coded for by C. elegans cDNA yk46d5.5; coded for by C. elegans cDNA yk43c2.5; coded for by C. elegans cDNA yk46e8.... | Contains protein domain (PF00632) - HECT-domain (ubiquitin-transferase). | ubiquitin | 52644507, 52645156, 52646842, 56182575, 56994075, 35696286, 22278997, 22278998, 22278999, 60432049, 264259, 52645080, 29331822, 29331824, 66714117, 29331825, 29331826, 29331827, 29331828, 35696052, 264908, 264907, 264908, 29331830, 52644045, 56182435, 265006, 265009, 60432229, 33657402, 264595, 264757, 55812038, 21906754, 52646317, 52644296, 265010, 265011, 87168559, 265017, 265018, 265019, 264448, 18108354, 264288, 264369, 264766, 52644229, 21906765, 21906766, 21906767, 21906768, 21906769, 55811957, 35695917, 265020, 265021, 265022, 52644150, 33657023, 65274620, 33657109, 52645129, 18108368, 27486261, 27486262, 27486264, 27486265, 35695763, 264629, 55811576, 35696423, 35695855, 264635, 264636, 52644332, 264558, 83373044, 56528486, 22279000, 22279002, 264563, 265009, 264595, 85658542, 264555, 264556, 264557, 264558, 83373044 |
| 2029 | 95362032 (4057, 4058) | Novel Protein sim. GBank gi13599940 (AF017368) - facioligental dysplasia protein 2 [Mus musculus] | Contains protein domain (PF00621) - RhoGEF domain | UNCLASSIFIED | 18108394, 56994075, 22278997, 22278999, 264259, 29331822, 29331824, 29331825, 66714117, 60432229, 29331826, 264108, 66712502, 264828, 265009, 265018, 265019, 264681, 264682, 264684, 264685, 56181562, 264689, 21906769, 265022, 264692, 264693, 264628, 18108370, 18108374, 264634, 264636, 264556, 18108385, 87168518, 22279002, 264555 |
| 2030 | 91213734 (4059, 4060) | Novel Protein sim. GBank gi15630080 gb AAD45825.1 AC00489 - (AC004890) similar to HUB1 - similar to BAA24380 (PID:g2789430) [Homo sapiens] | Contains protein domain (PF00096) - Zinc finger, C2H2 type | transcript factor | 264557, 264558, 264559, 83373044 |
| 2031 | 80245281 (4061, 4062) | | | | |
| 2032 | 91232607 (4063, 4064) | Novel Protein sim. GBank gi15689491 dbj BAA83029.1 - (AB029000) KIAA1077 protein [Homo sapiens] | Contains protein domain (PF00884) - Sulfatase | hydrolase | 65274572, 35696286, 29331824, 264908, 265009, 264593, 265018, 264288, 264686, 264769, 21906766, 21906767, 29148627, 264628, 35696423, 264634, 264556, 18108381, 60170394, 264559, 83373044, 18108385, 264482, 264484 |
| 2033 | 95000809 (4065, 4066) | Novel Protein sim. GBank gi12494828 sp Q64686 CAG7_RAT - ALPHA-N-ACETYLGLACTOSAMINIDE ALPHA-2,6-SIALYLTRANSFERASE (ST6GALNACIII) (STY) | | synthase | 56181562, 264628, 264632, 264555, 264556 |
| 2034 | 91232529 (4067, 4068) | Novel Protein sim. GBank gi14826984 ref NP_005147.1 PROD1 - UNKNOWN | Contains protein domain (PF00076) - RNA recognition motif (a.k.a. RRM, RBD, or RNP domain) | dna_rna_bind | 22278996, 22278999, 264907, 29331830, 265008, 265018, 264681, 264682, 264684, 21906767, 21906768, 21906769, 33657109, 83373044, 56528486 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 2035 | 83553451 (4069, 4070) | | | | 264369, 264686, 265022, 26526486, 264567 |
| 2036 | 87115833 (4071, 4072) | | | | 29331827, 29331828, 264682, 264369, 29148627, 60432113 |
| 2037 | 94324833 (4073, 4074) | Novel Protein sim. GBank gi 2734081 (AF000195) - similar to oxysterol-binding proteins [Caenorhabditis elegans] | | UNCLASSIFIED | 65274572, 22278995, 22278996, 56994075, 35696286, 22278997, 22278998, 22278999, 264259, 29331824, 60432289, 29331826, 29331828, 35696052, 264907, 29331830, 66712502, 56182435, 265008, 265009, 60170831, 264594, 56812038, 33109954, 21906754, 87168559, 265017, 265018, 265019, 264762, 264369, 264288, 21906765, 21906767, 21906768, 21906769, 55811957, 35695917, 265020, 265021, 265022, 52644150, 33657023, 33657109, 33657182, 35695763, 35695855, 264632, 264634, 264636, 56182233, 83373044, 60432113, 22279000, 22279002, 264563 |
| 2038 | 95422384 (4075, 4076) | Novel Protein sim. GBank gi 3880625 emb CAB07858 (Z93785) predicted using GeneFinder; similar to RNA recognition motif (aka RRM, RBD, or RNP domain); cDNA EST EMBL: T01682 comes from this gene; cDNA EST EMBL: M75823 comes from this gene; cDNA EST EMBL: D27559 comes from this ge... | Contains protein domain (PF01412) - Putative GTP-ase activating protein for Arf | UNCLASSIFIED | 22278995, 22278996, 56994075, 264259, 29331824, 35696052, 264905, 264906, 52644045, 265007, 265009, 87168559, 265017, 18108351, 264448, 264369, 264766, 264767, 264686, 18108358, 21906765, 21906769, 52644150, 33657023, 264692, 18108362, 33657109, 27486262, 18108370, 18108374, 18108379, 35696423, 65274791, 264632, 264636, 18108383, 83373044, 18108385, 87168518, 22279000, 22279002, 264563, 264564, 264566 |
| 2039 | 85514628 (4077, 4078) | Novel Protein sim. GBank gi 2224653 dbj BAA20813 (AB002354) KIAA0356 [Homo sapiens] | Contains protein domain (PF00097) - Zinc finger, C3HC4 type (RING finger) | UNCLASSIFIED | 22278997, 264259, 29331822, 264905, 264906, 264907, 264908, 264909, 264510, 265009, 264910, 264593, 264758, 265011, 265018, 264762, 264288, 264766, 264768, 264769, 21906766, 33657023, 264692, 264693, 33657109, 35696423, 264631, 264632, 264634, 264635, 264636, 264637, 264639, 87168518, 264486 |
| 2040 | 95308417 (4079, 4080) | | | UNCLASSIFIED | 264592 |
| 2041 | 95071736 (4081, 4082) | Novel Protein sim. GBank gi 2500625 sp P70700 JRP2_MOUSE - DNA-DIRECTED RNA POLYMERASE I 135 KD POLYPEPTIDE (RNA POLYMERASE I SUBUNIT 2) (RPA135) | mapolymerase | | 264488, 22278998, 35696052, 264905, 264907, 264908, 264910, 265018, 264605, 265019, 18108351, 264766, 264769, 21906766, 265021, 265022, 264692, 33657109, 264628, 264629, 35696423, 35695855, 264637, 264638, 264563, 264564, 264565, 264567 |

| | | | | | |
|------|-----------------------|--|--|--------------|--|
| 2042 | 95307447 (4083, 4084) | Novel Protein sim. GBank gi 4406590 gb AAD20040 - (AF131786) Similar to Ena-VASP like protein [Homo sapiens] | Contains protein domain (PF00568) - WH1 domain | UNCLASSIFIED | 60424179, 35696286, 264259, 29331826, 35696052, 29331828, 264508, 264509, 264907, 264909, 264510, 264511, 265009, 264910, 264591, 60433356, 264595, 265017, 265019, 264681, 264764, 264369, 264765, 264684, 264288, 264766, 264688, 2644229, 264769, 21906765, 35695917, 264535, 52644150, 264691, 264692, 18108365, 27486261, 27486262, 27486265, 18108374, 35696423, 65274791, 35695855, 264555, 264558, 60170394, 18108385, 264404, 22279000, 22279002, 264482, 264563, 264564, 264566 |
| 2043 | 94328076 (4085, 4086) | Novel Protein sim. GBank gi 5052554 gb AAD38607.1 AF14563 - (AF145632) BcDNA GH06032 [Drosophila melanogaster] | Contains protein domain (PF00122) - E1-E2 ATPase | transport | 264488, 52644507, 52646365, 56994075, 22278997, 22278999, 20281171, 264259, 29331822, 29331824, 66714117, 29331826, 29331828, 33656970, 29146498, 264509, 264908, 52644045, 56182435, 265006, 33657402, 21906754, 52644296, 87168559, 265017, 265018, 265019, 264681, 264288, 264766, 264685, 264686, 21906766, 21906767, 21906768, 21906769, 265020, 265021, 60170615, 264691, 33657023, 264693, 65274620, 33657109, 33657182, 27486261, 27486262, 33657349, 35695763, 18108374, 55811576, 35695855, 18108380, 18108381, 60170394, 56182323, 264558, 83373044, 18108385, 56526486, 87168518, 60432113, 22279000, 264567 |
| 2044 | 87106927 (4087, 4088) | Novel Protein sim. GBank gi 2246532 (U93872) - ORF 73, contains large complex repeat CR 73 [Kaposi's sarcoma-associated herpesvirus] | | struct | 264093, 29331827, 264905, 66712502, 264592, 264689, 21906765, 21906769, 265020, 264692, 264482, 264566 |
| 2045 | 79635532 (4089, 4090) | Novel Protein sim. GBank gi 4406698 gb AAD20062 - (AF131852) Unknown [Homo sapiens] | | | 264692 |
| 2046 | 87320849 (4091, 4092) | Novel Protein sim. GBank gi 4101720 (AF006466) - lymphocyte specific formin related protein [Mus musculus] | | | 264259, 264906, 264683, 22279002 |
| 2047 | 84578801 (4093, 4094) | | | | 22278999, 29147620, 29331824, 29146498, 264508, 265007, 265008, 265019, 264605, 264681, 29148627, 29148629, 265021, 33657023, 18108365, 33657109, 33657182, 18108377, 264556, 264638, 264559, 18108388 |
| 2048 | 84606378 (4095, 4096) | Novel Protein sim. GBank gi 4589656 db BAA76850.1 - (AB023223) KIAA1006 protein [Homo sapiens] | | UNCLASSIFIED | 264909 |
| 2049 | 88094690 (4097, 4098) | | | UNCLASSIFIED | 264488, 264259, 29331824, 29331828, 35696052, 264906, 264907, 264908, 264909, 264910, 264603, 264763, 21906767, 21906768, 264629, 264634, 264637, 22279002, 264564, 264565, 264566, 264567 |

| | | | | | | |
|------|-----------------------|---|--|--------------|--------|--|
| 2050 | 79633835 (4099, 4100) | | | UNCLASSIFIED | 264693 | 264488, 264259, 264509, 264906, 264907, 264769, 18108374, 35696423, 264563, 264566, 264486 |
| 2051 | 87780168 (4101, 4102) | | | UNCLASSIFIED | | |
| 2052 | 88096393 (4103, 4104) | Novel Protein sim. GBank gi 4529889 gb AAD21812.1 - (AF134726) G9A [Homo sapiens] | Contains protein domain (PF00856) - SET domain | kinase | | 264488, 263394, 35696052, 264508, 264905, 264509, 264906, 264907, 264908, 264909, 264113, 264511, 265009, 264910, 60170831, 264592, 264758, 265010, 265011, 264605, 264760, 264682, 264764, 264369, 264766, 264686, 264768, 264769, 52644229, 264689, 35695917, 33657023, 33657109, 264628, 18108374, 35696423, 55811576, 35695855, 264630, 264631, 264632, 264634, 264635, 264636, 264637, 264638, 264639, 18108385, 58526486, 60432113, 264563, 264564, 264566, 264486, 264567 |
| 2053 | 87763078 (4105, 4106) | Novel Protein sim. GBank gi 2995449 emb CAA75113 - (Y14848) midline 1 protein [Mus musculus] | | UNCLASSIFIED | | 22278996, 22278997, 264259, 29331822, 264102, 264508, 35695917, 263972, 264482 |
| 2054 | 95356937 (4107, 4108) | Novel Protein sim. GBank gi 3876326 emb CAB02090 - (Z79754) similar to C2 domain [Caenorhabditis elegans] | Contains protein domain (PF00168) - C2 domain | | | 60424179, 264094, 264259, 29331825, 60424269, 264906, 60432229, 60433356, 87168559, 265019, 264760, 264288, 264686, 21906769, 33657023, 264693, 55810764, 55811576, 264635, 56182323, 60432113 |
| 2055 | 88259449 (4109, 4110) | Novel Protein sim. GBank gi 5353746 gb AAD42226.1 AF15913 - (AF159133) SIR2-like protein [Oryza sativa subsp. indica] | | UNCLASSIFIED | | 264488, 29331826, 60432289, 29331828, 60433356, 265019, 264683, 264684, 265021, 33657109, 18108374, 264637, 18108385, 87168518, 60432113, 22279000, 264564 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 2056 | 88177396 (4111, 4112) | Novel Protein sim. GBank gi 4826960 ref NP_005042.1 pQARS - glutamine-IRNA synthetase | Contains protein domain (PF00749) - IRNA synthetases class I (E and Q) | - synthase | 264488, 52645156, 56182575, 22278994, 35696286, 56994075, 22278996, 22278998, 22278999, 60432049, 264259, 29331824, 60432289, 29331827, 29331828, 33656970, 264104, 264906, 264908, 265006, 265008, 60170831, 264591, 60432229, 60433438, 18108348, 21906754, 33657084, 52644296, 87168474, 265010, 87168559, 265017, 265018, 264760, 18108351, 264681, 264682, 264448, 264683, 264369, 264288, 264685, 264687, 264688, 264689, 21908765, 21906766, 21906767, 21906769, 55811957, 35695917, 265022, 33657023, 18108362, 33657109, 18108368, 33657182, 27486261, 27486264, 27486265, 33657349, 264628, 18108370, 264629, 18108374, 18108377, 18108379, 35696423, 55811576, 20281152, 264636, 264952, 18108385, 18108388, 87168518, 264482, 264565, 264566, 264567, 52646842, 52646365, 56182575, 35696286, 22278996, 22278997, 22278998, 264093, 52645080, 35696052, 29331828, 33656970, 265009, 52646317, 55811386, 52644296, 52644229, 21906769, 35695917, 265021, 60170615, 52644150, 33657109, 33657182, 27486261, 27486262, 35695763, 35696423, 35695855, 52644332 265007, 265008, 264591 |
| 2057 | 87877905 (4113, 4114) | Novel Protein sim. GBank gi 728850 sp P08640 AMYH_YEAST - GLUCOAMYLASE S1/S2 PRECURSOR (GLUCAN 1,4-ALPHA- GLUCOSIDASE) (1,4-ALPHA-D-GLUCAN GLUCOHYDROLASE) | | UNCLASSIFIED | |
| 2058 | 86276896 (4115, 4116) | Novel Protein sim. GBank | | | |
| 2059 | 79866684 (4117, 4118) | gi 119714 sp P13983 EXTN_TOBAC - EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) | | UNCLASSIFIED | 29331825, 264682, 264686, 264691, 264693, 22279002 |
| 2060 | 83050800 (4119, 4120) | Novel Protein sim. GBank gi 2811122 (U87318) - NaDC-2 [Xenopus laevis] | | UNCLASSIFIED | 56182575, 29331824, 29331826, 264910, 55811957, 18108370, 55811576 |

| | | | | | |
|------|-----------------------|--|---|--------------|---|
| 2061 | 95362204 (4121, 4122) | Novel Protein sim. GBank gi 2496947 sp Q08298 YQO9_CAEEL - HYPOTHETICAL 141.2 KD PROTEIN EED8.9 IN CHROMOSOME II | Contains protein domain (PF00069) - Eukaryotic protein kinase domain | kinase | 22278997, 22278999, 264259, 29331822, 29331824, 29331826, 29331827, 35696052, 29331828, 264906, 66712502, 29331830, 264908, 264909, 264112, 264511, 265007, 265009, 264910, 264591, 33657402, 21906754, 85658542, 265017, 265019, 264448, 264683, 264288, 264684, 264369, 264686, 264687, 18108358, 264689, 21906765, 21906767, 21906768, 21906769, 265020, 265022, 264691, 33657023, 33657109, 20281149, 18108379, 35695855, 264634, 264556, 264557, 264558, 18108382, 264559, 83373044, 18108384, 56528486, 60432113 |
| 2062 | 87028440 (4123, 4124) | Novel Protein sim. GBank gi 4502091 ref NP_001139.1 pANK2 - ankyrin 2, neuronal | Contains protein domain (PF00023) - Ank repeat | struct | 264905, 264628, 264907, 264629, 264908, 264909, 18108374, 263978, 35695855, 264512, 264635, 60431850, 264636, 264760, 264563, 18108351, 264762, 264565, 264764, 264487, 264766 |
| 2063 | 87601272 (4125, 4126) | Novel Protein sim. GBank gi 4589562 db BAA76803.1 - (AB023178) KIAA0959 protein [Homo sapiens] | Contains protein domain (PF00617) - RasGEF domain | oncogene | 22278994, 22278999, 264259, 29331827, 264906, 264909, 52644045, 264686, 21906767, 55811957, 264692, 18108365, 263972, 55811576, 18108384, 22279002, 264482, 264563, 264564, 264484 |
| 2064 | 95317253 (4127, 4128) | Novel Protein sim. GBank gi 1754515 db BAA13413.1 - (D87515) aminopeptidase-B [Rattus norvegicus] | | hydrolase | 264488, 52646365, 56994075, 35696286, 22278997, 22278998, 264259, 29331826, 60432289, 29331827, 29331828, 35696052, 264509, 265007, 265008, 60432229, 60433438, 21906754, 265010, 265011, 87168559, 265017, 265018, 264761, 18108351, 264682, 264369, 264288, 52644229, 21906765, 21906767, 21906768, 35695917, 33657109, 18108368, 18108374, 35696423, 35695855, 52644332, 264559, 60432113, 22279000, 22279002, 264566, 264486 |
| 2065 | 95092238 (4129, 4130) | Novel Protein sim. GBank gi 2507144 sp Q04205 TENS_CHICK - TENSIN | | kinase | 264569, 18108394, 56182181, 60432289, 29331826, 264905, 264906, 264908, 60431735, 60433356, 55811386, 85658542, 265018, 55811150, 264681, 264766, 264692, 60431528, 263974, 55810764, 35695855, 264631, 264634, 264635, 60431850, 264557, 83373044, 18108388, 22279000, 22279002 |
| 2066 | 85793402 (4131, 4132) | Novel Protein sim. GBank gi 160171 (M56295) - circumsporozoite protein [Plasmodium yoelii] | Contains protein domain (PF00096) - Zinc finger, C2H2 type | UNCLASSIFIED | 56182575, 264259, 264906, 264764, 264288, 56182323, 264567 |

| | | | | | |
|------|-----------------------|--|--|--------------|--|
| 2067 | 95303892 (4133, 4134) | | | | 35696286, 22278997, 22278998, 60432049, 264259, 60432289, 60433438, 264682, 264448, 284389, 264288, 18108355, 21906765, 21906768, 265022, 33657109, 35696423, 35695855, 264558, 264404, 264563, 264486 |
| 2068 | 94344754 (4135, 4136) | | | | 264687 |
| 2069 | 94319177 (4137, 4138) | Novel Protein sim. GBank gij3152662 (AF064604) - KE03 protein [Homo sapiens] | Contains protein domain (PF00023) - Ank repeat | UNCLASSIFIED | 60424179, 56182575, 22278995, 22278996, 56994075, 264259, 29331822, 29331824, 29331825, 35696052, 29331828, 33656970, 264509, 264905, 56182435, 265009, 60433358, 87168559, 265017, 265018, 264604, 265019, 264448, 264764, 264766, 21906765, 21906767, 21906768, 21906769, 265020, 265021, 33657023, 33657109, 263976, 264555, 264557, 56182323, 83373044, 87168518, 60432113, 22279000, 22279002 |
| 2070 | 85791380 (4139, 4140) | Novel Protein sim. GBank gij5712131[gblAAD47379.1]AF12049 - (AF120499) DEM1 protein [Homo sapiens] | | UNCLASSIFIED | 35695917, 264905, 264628, 264908, 264638 |
| 2071 | 86946116 (4141, 4142) | Novel Protein sim. GBank gij3551531[dbj]BAA33016[- (AB017437) avana [Gallus gallus] | Contains protein domain (PF00568) - WH1 domain | | 18108398, 265006, 265007, 265008, 265009, 264594, 265010, 265011, 18108351, 18108354, 18108364, 18108365, 18108368, 264634, 18108381, 18108385, 18108388, 18108391 |
| 2072 | 91718429 (4143, 4144) | | Contains protein domain (PF00184) - Neurohypophysial hormones, C-terminal Domain | | 22278995, 35696286, 22278997, 22278998, 22278999, 264490, 60432049, 264259, 29331822, 29331824, 29331826, 35696052, 265008, 33657402, 21906754, 265011, 265019, 18108351, 264682, 264369, 21906765, 21906766, 21906767, 21906768, 21906769, 35695917, 265020, 265021, 264690, 264692, 35696423, 264555, 264556, 264558, 22279000 |
| 2073 | 27925664 (4145, 4146) | Novel Protein sim. GBank gij1504026[dbj]BAA13212[- (D86976) similar to C. elegans protein (Z37093) [Homo sapiens] | | UNCLASSIFIED | 264556 |
| 2074 | 94324767 (4147, 4148) | Novel Protein sim. GBank gij4240317[dbj]BAA74937.1[- (AB020721) KIAA0914 protein [Homo sapiens] | | | 29331822, 264909, 264511, 265009, 264594, 264595, 265010, 265011, 265017, 265018, 265019, 264448, 264683, 265020, 265021, 18108370, 264632, 83373044, 264567 |

| | | | | | |
|------|-----------------------|--|--|--------------|--|
| 2075 | 94314886 (4149, 4150) | Novel Protein sim. GBank gij5138930jgbiAAD40382.1] - (AF093680) transcription factor IIB [Homo sapiens] | | | 18108394, 22278994, 22278996, 35696286, 22278998, 22278999, 264259, 29331822, 29331825, 29331827, 35696052, 29331828, 264905, 264907, 264908, 264510, 265007, 264910, 265009, 33657084, 264760, 264448, 264288, 264766, 264767, 264689, 21906766, 21906767, 21906769, 265021, 265022, 60170615, 33657023, 27486262, 27486265, 35696423, 35695855, 264631, 264634, 264639, 87168518, 22279002, 264563, 264486, 18108391 |
| 2076 | 87594118 (4151, 4152) | | | | 264259, 29331826, 264508, 264908, 264510, 265007, 265011, 264288, 264637, 18108385 |
| 2077 | 11389877 (4153, 4154) | | UNCLASSIFIED | | 264592 |
| 2078 | 87539364 (4155, 4156) | Novel Protein sim. GBank gij4220590jdbjBAA74579] - (D87908) nuclear protein np85 [Mus musculus] | Contains protein domain (PF00628) - PHD-finger | | 29331825, 265017, 265018, 264288, 265020, 265021, 264634, 56526486 |
| 2079 | 88085916 (4157, 4158) | Novel Protein sim. GBank gij4240255jdbjBAA74906.1] - (AB020690) KIAA0883 protein [Homo sapiens] | Contains protein domain (PF00098) - Zinc finger, CCHC class | UNCLASSIFIED | 264768, 22278997, 265021, 264690, 264259, 264692, 29331822, 264693, 29331824, 29331828, 264508, 264509, 264906, 264907, 264628, 20281069, 264909, 265007, 265009, 264632, 264636, 264591, 264592, 264639, 264758, 264759, 33109954, 264604, 265018, 265019, 22279002, 264563, 264564, 264448, 264684, 264567, 264685 |
| 2080 | 94136689 (4159, 4160) | Novel Protein sim. GBank gij2408021embjCAB16219.1] - (Z99162) putative vacuolar protein [Schizosaccharomyces pombe] | Contains protein domain (PF01363) - FYVE zinc finger | UNCLASSIFIED | 56182575, 264092, 29331824, 29331826, 29331830, 265017, 265018, 265020, 83373044 |
| 2081 | 94847186 (4161, 4162) | Novel Protein sim. GBank gij552473jgbiAAD44360.1]AF16635 - (AF166350) ST7 protein [Homo sapiens] | Contains protein domain (PF00431) - eph CUB domain | | 22278996, 22278997, 22278999, 60432049, 29331822, 29331824, 33657402, 85658542, 265011, 265018, 265019, 21906767, 21906768, 264693, 18108395, 22279000, 22279002 |
| 2082 | 87628629 (4163, 4164) | Novel Protein sim. GBank gij3880558embjCAA94234] - (Z70271) predicted using GeneFinder; similar to collagen; cDNA EST yk308a7.3 comes from this gene; cDNA EST yk308e7.5 comes from this gene; cDNA EST yk385a8.3 comes from this gene; cDNA EST yk385a8.5 comes from this gene [Caeno...] | collagen | | 264807, 265019 |
| 2083 | 94141000 (4165, 4166) | Novel Protein sim. GBank gij2352427 (AF004161) - peroxisomal Ca-dependent solute carrier [Oryctolagus cuniculus] | Contains protein domain (PF00153) - Mitochondrial carrier proteins | transport | 56182575, 22278996, 22278997, 264259, 29331822, 29331825, 264509, 264112, 265009, 264593, 21906754, 265018, 265019, 264448, 264288, 264685, 21906769, 265020, 265022, 264691, 18108370, 65274791, 264631, 264555, 264563 |
| 2084 | 95199298 (4167, 4168) | Novel Protein sim. GBank gij28836jgbiP39193jALU6_HUMAN - IIII ALU SUBFAMILY SP WARNING ENTRY IIII | UNCLASSIFIED | | 265018, 264763, 264683, 264691 |

| | | | | |
|------|-----------------------|--|--------------|--|
| 2085 | 94989476 (4169, 4170) | Novel Protein sim. GBank gi 1655699 emb CAA69032 - (Y07752) pherophorin-S [Volvox carter] | UNCLASSIFIED | 56182575, 60432289, 264908, 56182435, 87168474, 264763, 264369, 264686, 264693, 18108370, 56182323 |
| 2086 | 91234404 (4171, 4172) | Novel Protein sim. GBank gi 3875032 emb CAA88936 - (Z49125) similarity to Trichostrogylus colubriformis 11 kd secretory protein (Swiss Prot accession number P21937); cDNA EST EMBL:D33349 comes from this gene; cDNA EST EMBL:D37644 comes from this gene; cDNA EST EMBL:D36149 come... | UNCLASSIFIED | 35696286, 264259, 35696052, 264906, 264907, 264908, 264909, 264910, 264759, 264604, 264762, 264768, 264769, 35695917, 263978, 35696423, 35695855, 264632, 264634, 264637, 264638, 264639, 56182323, 18108385, 264482, 264486 |
| 2087 | 21436337 (4173, 4174) | | UNCLASSIFIED | 264489 |
| 2088 | 94111527 (4175, 4176) | Novel Protein sim. GBank gi 3880930 emb CAA16334.1 - (AL021481) similar to Phosphoglucomutase and phosphomannomutase phosphoserine: cDNA EST EMBL:D36168 comes from this gene; cDNA EST EMBL:D70897 comes from this gene; cDNA EST yk373h9.5 comes from this gene; cDNA EST EMBL:T0080... | | 264488, 22278994, 35696286, 22278996, 29331827, 35696052, 33657402, 21906754, 33109954, 87168474, 265017, 265018, 265019, 264448, 264683, 264369, 264685, 264687, 264689, 21906765, 21906766, 21906767, 21906768, 21906769, 265020, 265021, 265022, 264692, 33657023, 33657109, 33657182, 27486261, 27486262, 33657349, 27486265, 35696423, 35695855, 83373044, 87168518, 22279000, 264567 |
| 2089 | 95422801 (4177, 4178) | Novel Protein sim. GBank gi 4758118 ref NP_004623.1 pDAP3 - Death associated protein 3 | cadherin | 18108392, 264488, 52644507, 18108394, 18108397, 52646842, 18108398, 56182575, 22278994, 22278995, 35696286, 22278996, 56994075, 22278997, 22278998, 22278999, 264091, 264092, 264093, 264094, 60432049, 264259, 29331822, 20281099, 29331824, 29331825, 29331826, 29331827, 29331828, 35696052, 33656970, 29146498, 29146499, 264102, 264106, 264107, 264109, 264508, 264905, 264509, 264906, 264907, 264908, 66712502, 264828, 52644045, 264909, 56182435, 264110, 264112, 264510, 264511, 265006, 264512, 265007, 265008, 264910, 265009, 60170831, 264592, 264593, 60433356, 33657402, 60433438, 264595, 55812038, 264758, 21906754, 33657084, 55811386, 52644296, 265010, 265011, 87168559, 265017, 265018, 265019, 264760, 264761, 55811150, 264762, 18108351, 264682, 264448, 264763, 264764, 264683, 264369, 18108354, 264288, 264685, 264766, 264686, 264687, 264768, 52644229, 264688, 18108358, 56181582, 264769, 18108359, 264689, 21906765, 21906766, 21906767, 21906768, 29148627, 21906769, 55811957, 29148629, 29148784, 35695917, 265020, 265021, 265022, 60170615, 264690 |

| | | | | | |
|------|-----------------------|--|---|--|--|
| 2090 | 88222470 (4179, 4180) | | | | 22278995, 22278998, 22278999, 264259, 29331826, 35696052, 264910, 33657402, 60433438, 33109954, 87168474, 87168559, 265018, 265019, 264681, 264684, 264686, 264687, 264688, 264689, 21906765, 21906766, 21906767, 21906769, 35695917, 265022, 60170615, 33657023, 35696423, 35695855, 264952, 18108387, 22279000, 263994, 264905, 264908, 264511, 264512, 265008, 264910, 55811386, 264288, 264768, 56181562, 21906765, 21906768, 21906769, 265022, 264628, 264563, 264567, 22278997, 22278999, 66712502, 87168559, 264683, 265021, 264486 |
| 2091 | 95309161 (4181, 4182) | Novel Protein sim. GBank gil4580997[gb AAD24571.1 AF12108 - (AF121081) cAMP inducible 2 protein [Mus musculus] | UNCLASSIFIED | | |
| 2092 | 88223605 (4183, 4184) | | homeobox | | |
| 2093 | 87406073 (4185, 4186) | Novel Protein sim. GBank gil2352427 (AF004161) - peroxisomal Ca-dependent solute carrier [Oryctolagus cuniculus] | transport Mitochondrial carrier proteins | | 264905, 264906, 264907, 264908, 264510, 265006, 265007, 265009, 264910, 264596, 21906754, 87168474, 265011, 264603, 265018, 265019, 264760, 264766, 264768, 264769, 21906767, 21906768, 21906769, 265021, 264690, 33657023, 264693, 264628, 264634, 264636, 264637, 264557, 56182323, 264564 |
| 2094 | 91230929 (4187, 4188) | Novel Protein sim. GBank gil4929551[gb AAD34036.1 AF15179 - (AF151799) CGI-40 protein [Homo sapiens] | MHC | | 35696286, 265017, 265018, 265019, 18108388 |
| 2095 | 95351526 (4189, 4190) | Novel Protein sim. GBank gil1363238[pir J57284 - spermatid perinuclear RNA-binding protein Spnr - mouse] | dna_rna_bind Double-stranded RNA binding motif | | 35696286, 52644045, 265006, 265007, 265008, 87168559, 18108351, 21906769, 29148784, 265020, 33657023, 27486262, 18108374, 18108388 |
| 2096 | 94119760 (4191, 4192) | Novel Protein sim. GBank gil3834423 (AF070689) - cytoplasmic dynein intermediate chain isoform DIC1a [Drosophila melanogaster] | ATPase_associated WD domain, G-beta repeat | | 264488, 264489, 65274572, 56182575, 22278996, 22278997, 22278999, 264259, 60432289, 29331826, 35696052, 264107, 264508, 264509, 264905, 264906, 264907, 264908, 52644045, 264909, 264510, 264511, 264512, 265008, 264910, 265009, 264592, 60433356, 60433438, 264758, 264596, 55812038, 21906754, 264601, 264602, 264605, 264762, 264681, 18108351, 264764, 264683, 264288, 264687, 264768, 264769, 264889, 21906765, 21906766, 21906767, 35695917, 265020, 265022, 52644150, 264691, 264692, 33657023, 264693, 27486261, 35695763, 264628, 264629, 35696423, 35695855, 264631, 264632, 264634, 264635, 264555, 264637, 263981, 264638, 264639, 264563, 264483, 264565, 264566, 264486, 264567 |

| | | | | | |
|------|-----------------------|--|--|----------------------|---|
| 2097 | 9532272 (4193, 4194) | Novel Protein sim. GBank gi15174501ref NP_006051.1 pLYF1 - zinc finger protein, subfamily 1A, 1 (Ikaros) | Contains protein domain (PF00096) - Zinc finger, C2H2 type | transcription factor | 65274572, 264511, 265010, 264600, 265017, 264448, 264288, 265021, 60170815, 264692, 33657109, 18108370, 264636, 264483 56994075, 264259, 264288, 265020, 264563 |
| 2098 | 87780340 (4195, 4196) | Novel Protein sim. GBank gi14758208ref NP_004081.1 pDUSP - dual specificity phosphatase 3 (vaccinia virus phosphatase VH1-related) | Contains protein domain (PF00782) - Dual specificity phosphatase, catalytic domain | phosphatase | |
| 2099 | 95412927 (4197, 4198) | Novel Protein sim. GBank gi12695659 (AF026954) - pyruvate dehydrogenase phosphatase regulatory subunit precursor; PDPr [Bos taurus] | | phosphatase | 65274572, 264905, 65274444, 264691, 264636, 264555 |
| 2100 | 95332656 (4199, 4200) | Novel Protein sim. GBank gi13881189 emb CAB16514 - (Z99281) similar to ADP-ribosylation factor; cDNA EST EMBL: C08179 comes from this gene; cDNA EST EMBL: C08337 comes from this gene; cDNA EST EMBL: C09829 comes from this gene; cDNA EST comes from this gene; cDNA EST yk4... | Contains protein domain (PF00025) - ADP-ribosylation factor family | nucl_rept | 56182575, 22278995, 22278996, 22278997, 22278998, 60432049, 264259, 29331822, 29331824, 29331825, 29331827, 29331828, 29146498, 264909, 265008, 265009, 264910, 264591, 60432229, 60433356, 33657402, 264758, 21906754, 85658542, 87168474, 265017, 265018, 265019, 264681, 18108351, 264762, 264448, 264369, 264288, 18108355, 264686, 21906765, 21906767, 21906768, 21906769, 265020, 265021, 33657023, 18108374, 35696423, 264558, 83373044, 87168518, 60432113, 22279000, 22279002, 264091, 29331824, 264105, 265007, 265010, 18108380 |
| 2101 | 87762604 (4201, 4202) | Novel Protein sim. GBank gi14589468 dbj BAA76761.1 - (AB012808) mBOCT [Mus musculus] | | UNCLASSIFIED | |
| 2102 | 87770461 (4203, 4204) | Novel Protein sim. GBank gi13874149 emb CAA97423.1 - (Z73103) predicted using GeneFinder [Caenorhabditis elegans] | | UNCLASSIFIED | 264488, 264489, 35696286, 264259, 35696052, 264508, 264905, 264907, 264908, 264909, 264511, 264512, 264591, 264593, 60433356, 264758, 264601, 264605, 264760, 18108351, 264448, 264764, 264288, 264767, 264768, 21906769, 35695917, 18108374, 264634, 264555, 264559, 264563, 264482, 264486 |
| 2103 | 95413576 (4205, 4206) | Novel Protein sim. GBank gi14240159 dbj BAA74858.1 - (AB020842) KIAA0835 protein [Homo sapiens] | Contains protein domain (PF01530) - Zinc finger, C2HC type | transcription factor | 65274572, 56994075, 22278999, 264259, 29331824, 29331825, 35696052, 29331828, 66712502, 265009, 60170831, 264595, 33109954, 85658542, 87168559, 265017, 265019, 264448, 21906765, 21906768, 265022, 33657023, 27486262, 33657349, 35695763, 60431528, 18108374, 55811576, 56182323, 18108387, 87168518, 60432113, 264584 |
| 2104 | 85776161 (4207, 4208) | | | UNCLASSIFIED | 264592, 264604, 22279000 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 2105 | 94848080 (4209, 4210) | Novel Protein sim. GBank gj1707032 (U80445) - coded for by C. elegans cDNA yk13g5.3; coded for by C. elegans cDNA yk21g6.3; coded for by C. elegans cDNA CEMSE18F; coded for by C. elegans cDNA yk126b1.3; coded for by C. elegans cDNA yk65h8.3; coded for by C. elegans cDNA yk65h8..... | | UNCLASSIFIED | 264488, 56182575, 22278994, 56994075, 22278996, 22278997, 22278998, 22278999, 60432048, 264259, 29331822, 29331824, 29331826, 60432289, 29331827, 29331828, 264508, 264905, 264509, 264907, 29331830, 52644045, 264510, 264511, 265007, 264512, 265009, 60170831, 60432229, 33657402, 60433356, 264595, 60433438, 264758, 33657084, 87168474, 265010, 87168559, 265017, 265018, 265019, 264762, 18108351, 264684, 18108354, 264288, 264686, 52644229, 18108359, 21906765, 21906766, 21906767, 21906768, 21906769, 35695917, 265020, 265022, 60170615, 52644150, 264692, 33657023, 264693, 33657109, 60431528, 18108374, 85274791, 35695855, 264635, 60170394, 264639, 264558, 18108385, 18108387, 56526486, 87168518, 60432113, 264564, 264566, 264567, 265006, 265019, 264906, 264639 |
| 2106 | 83365475 (4211, 4212) | Novel Protein sim. GBank gj13881524[emb](CAA93883) - (Z70038) ZK1067.4 [Caenorhabditis elegans] | | | |
| 2107 | 79822662 (4213, 4214) | Novel Protein sim. GBank gj1376689 (AC003671) - Contains similarity to ubiquitin carboxyl-terminal hydrolase 14 gb Z35927 from S. cerevisiae. [Arabidopsis thaliana] | | UNCLASSIFIED | 264905, 264906, 264907, 264908, 264909, 264758, 265011, 264600, 264601, 264764, 264766, 264767, 264768, 264769, 264693, 264629, 35695855, 264632, 264634, 264635, 264638, 264639, 83373044, 264486 |
| 2109 | 80478719 (4217, 4218) | | | UNCLASSIFIED | 18108348, 264769, 18108370, 18108374, 264555, 264556, 264557, 264558, 264564 |
| 2110 | 87729075 (4219, 4220) | Novel Protein sim. GBank gj1481043[pir](S37671) - bat2 protein - human | | UNCLASSIFIED | |
| 2111 | 87818419 (4221, 4222) | | | UNCLASSIFIED | 264766, 35695917, 264630, 264567, 264486 |
| 2112 | 87293783 (4223, 4224) | Novel Protein sim. GBank gj12143639[pir](I56542) - calmodulin-binding protein - rat | Contains protein domain (PF00069) - struct | UNCLASSIFIED | 264508, 264906, 264591, 264682, 22279002 |
| 2113 | 78941388 (4225, 4226) | Novel Protein sim. GBank gj1426629[gb](A020459) - (AF100960) protocadherin [Rattus norvegicus] | Eukaryotic protein kinase domain | | 265006 |
| 2114 | 87889342 (4227, 4228) | Novel Protein sim. GBank gj13327184[dbj](BAA31660) - (AB014585) KIAA0685 protein [Homo sapiens] | Contains protein domain (PF00028) - cadherin domain | | 66714117, 29331826, 29331827, 60433438, 55812038, 265017, 265019, 264689, 21906769, 55811957, 265020, 265021, 33657109, 60170394, 264558 |
| 2115 | 90993785 (4229, 4230) | Novel Protein sim. GBank gj14757890[ref](NP_004328.1)pc8OR - chromosome 8 open reading frame 1 | | UNCLASSIFIED | 65274572, 264689, 264691, 264692, 60432113 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 2116 | 89259387 (4231, 4232) | Novel Protein sim. GBank gi 2246532 (U93872) - ORF 73, contains large complex repeat CR 73 [Kaposi's sarcoma-associated herpesvirus] | | struct | 35696286, 22278999, 56182181, 29331824, 29331825, 29331827, 35696052, 264907, 56182435, 265008, 264591, 55812038, 55811386, 87168559, 264288, 264369, 21906769, 29148628, 33657023, 35695763, 55811576, 35696423, 18108385 |
| 2117 | 87788904 (4233, 4234) | Novel Protein sim. GBank gi 2330021 (AF019250) - kinesin-related protein; KRP; Costal2 [Drosophila melanogaster] | | struct | 29331824, 264511, 265009, 33109954, 265017, 265018, 264288, 264689, 265020, 264692, 55526486, 264482 |
| 2118 | 87078894 (4235, 4236) | Novel Protein sim. GBank gi 1078307 pir B56573 - nuclear pore complex glycoprotein p82 - African clawed frog | | glycoprotein | 264259, 264905, 264907, 264908, 264510, 264511, 265009, 264910, 265010, 264602, 264288, 264768, 264693, 263967, 263972, 264638, 264559 |
| 2119 | 86993317 (4237, 4238) | Novel Protein sim. GBank gi 4321407 gb AAD15748 - (AF047690) ATP-binding cassette protein M-ABC1 [Homo sapiens] | | UNCLASSIFIED | 264693, 18108385 |
| 2120 | 87789395 (4239, 4240) | Novel Protein sim. GBank gi 4885527 ref NP_005480.1 pNSP3 - novel SH2-containing protein 3 | Contains protein domain (PF00017) - eph Src homology domain 2 | | 264091, 264259, 29331826, 29331828, 265017, 264604, 264288, 264685, 265020, 264691, 18108370, 55810764, 264555, 264636, 60432113 |
| 2121 | 80021375 (4241, 4242) | Novel Protein sim. GBank gi 4757728 ref NP_004886.1 pAGTA - angiotensin/vasopressin receptor Ali/AVP-like | | UNCLASSIFIED | 264601, 264766, 263978 |
| 2122 | 91230931 (4243, 4244) | Novel Protein sim. GBank gi 4929551 gb AAD34036.1 AF15179 - (AF151799) CGI-40 protein [Homo sapiens] | | | 18108394, 56182575, 22278997, 29331822, 29331824, 29331825, 29331826, 29331828, 264907, 56182435, 265007, 264910, 265010, 265018, 264686, 265020, 55811576, 264555, 264637, 18108382, 83373044, 18108383, 18108384, 55526486, 264565, 264567 |
| 2123 | 86787998 (4245, 4246) | Novel Protein sim. GBank gi 2224551 db BAA20764 - (AB002303) KIAA0305 [Homo sapiens] | Contains protein domain (PF01363) - struct FYVE zinc finger | | 18108396, 264757, 265011, 18108351, 264691, 264634, 18108385 |
| 2124 | 83005951 (4247, 4248) | Novel Protein sim. GBank gi 5689455 db BAA63011.1 - (AB028982) KIAA1059 protein [Homo sapiens] | Contains protein domain (PF00801) - transport PKD domain | | 29331822, 264906, 264907, 264591, 264639, 264563 |
| 2125 | 95354041 (4249, 4250) | Novel Protein sim. GBank gi 728831 sp P39188 ALU1_HUMAN - III ALU SUBFAMILY J WARNING ENTRY IIII | | UNCLASSIFIED | 264259, 264509, 264907, 264511, 85658542, 264763, 21906765, 35695917, 264636, 264486 |
| 2126 | 95084231 (4251, 4252) | Novel Protein sim. GBank gi 4539264 emb CAB39853.1 - (AL049495) conserved hypothetical protein [Schizosaccharomyces pombe] | | UNCLASSIFIED | 264488, 264489, 29331827, 35696052, 264905, 264509, 264908, 264909, 264510, 265009, 264591, 264592, 264593, 33657402, 264594, 264595, 264596, 264758, 264601, 264603, 265018, 264604, 264605, 264760, 264681, 264762, 264683, 264764, 264684, 264288, 264685, 264689, 60170615, 33657023, 33657109, 55810764, 264635, 264636, 264637, 264638, 264639, 83373044, 264564, 264566 |

| | | | | | |
|------|-----------------------|---|---|-------------------|--|
| 2127 | 81118652 (4253, 4254) | Novel Protein sim. GBank gi 4868435 gb AAD31315.1 AF14323 - (AF143236) apoptosis related protein APR-2 [Homo sapiens] | | | 35696286, 29331826, 35696052, 264508, 264509, 264905, 264906, 264907, 264908, 264909, 264510, 265006, 264511, 264512, 265007, 265009, 264910, 264758, 265011, 264600, 264601, 264604, 264762, 264763, 264766, 264687, 264768, 264769, 264689, 35695917, 264690, 264691, 264692, 264693, 264629, 18108374, 35695855, 264632, 264634, 264635, 264636, 264637, 264638, 264639, 18108385, 264563, 264564, 264567, 56182575, 35696286, 56182181, 29331824, 60432289, 35696052, 264905, 264907, 66712502, 264908, 264909, 264510, 264512, 265009, 264910, 264591, 55812038, 265018, 264764, 264288, 264369, 264687, 264768, 55811957, 264692, 18108388, 264628, 264632, 264634, 264635, 264637, 56182323, 264639, 18108384, 18108388, 264563, 264567 |
| 2128 | 87414262 (4255, 4256) | | | | 66714117, 264828, 264595, 55812038, 55811150, 55811957, 264693, 18108374, 263978, 65274791, 18108381, 83373044, 22279000 |
| 2129 | 95102089 (4257, 4258) | | | UNCLASSIFIED | 263981 |
| 2130 | 95417144 (4259, 4260) | Novel Protein sim. GBank gi 2649255 (AE001012) - conserved hypothetical protein [Archaeoglobus fulgidus] | | UNCLASSIFIED | |
| 2131 | 85723065 (4261, 4262) | Novel Protein sim. GBank gi 1086886 (U41276) - Similar to potassium channel protein. [Caenorhabditis elegans] | Contains protein domain (PF00805) - Penelopeptide repeats (8 copies) | potassium_channel | 35696052, 264909, 264768, 35695917 |
| 2132 | 95361096 (4263, 4264) | Novel Protein sim. GBank gi 5689373 dbj BA082973.1 - (AB028944) KIAA1021 protein [Homo sapiens] | Contains protein domain (PF00122) - E1-E2 ATPase | ATPase_associated | 264488, 22278999, 264259, 29331827, 29331828, 35696052, 264509, 264905, 264906, 264907, 264908, 264909, 264510, 265006, 264511, 265007, 264910, 264591, 264592, 264595, 264758, 21906754, 33109954, 87168474, 265011, 264600, 264601, 264605, 265019, 264760, 18108351, 264681, 264762, 264764, 264288, 264684, 264766, 264686, 264687, 264768, 264769, 264688, 21906769, 264690, 52644150, 264691, 264693, 18108370, 264628, 264629, 18108372, 18108374, 35696423, 35695855, 264631, 264634, 264635, 264636, 264555, 264637, 18108380, 264639, 264558, 56182323, 56526486, 264564, 264565, 264566, 264567 |

| | | | | | |
|------|-----------------------|--|--|-------------------|--|
| 2133 | 95351539 (4265, 4266) | Novel Protein sim. GBank gij4220489 (AC006069) - hypothetical protein [Arabidopsis thaliana] | | UNCLASSIFIED | 60424179, 52646365, 52646842, 56994075, 35696286, 22278997, 22278998, 60432049, 56182181, 66714117, 60424269, 29331826, 29331828, 35696052, 264905, 264906, 264907, 66712502, 29331830, 56182435, 265006, 264512, 265008, 60431735, 60433356, 33657402, 55812038, 33109954, 21906754, 55811386, 265010, 264603, 265017, 265018, 265019, 55811150, 18108351, 264682, 264369, 264288, 52644229, 56181562, 21906765, 21906766, 21906767, 21906768, 21906769, 55811957, 35695917, 265020, 265021, 60170615, 33657023, 33657109, 60431528, 18108374, 35696423, 65274791, 35695855, 264634, 60431850, 18108380, 56182323, 83373044, 18108385, 18108387, 60432113, 22279002, 264563, 264566 |
| 2134 | 95412697 (4267, 4268) | Novel Protein sim. GBank gij3875351[embjCAB09415] - (Z96047) DY3.6 [Caenorhabditis elegans] | | | 56181688, 35696286, 21906754, 55811386, 265011, 265017, 18108351, 264765, 264766, 264888, 21906768, 35695917, 265020, 33657023, 264628, 35695855, 264632, 264555, 264556, 264557, 264558, 18108382, 22279002 |
| 2135 | 86078813 (4269, 4270) | Novel Protein sim. GBank gij5689559[dbjBAA83063.1] - (AB029034) KIAA1111 protein [Homo sapiens] | Contains protein domain (PF00628) - PHD-finger | UNCLASSIFIED | 22278999, 29331828, 35696052, 264906, 264908, 264910, 265009, 264591, 264758, 52646317, 265011, 87168559, 264601, 18108351, 264448, 264683, 264684, 264689, 18108359, 264691, 33657023, 264692, 35695763, 264629, 35695855, 264631, 264635, 264636, 264637, 56182323, 264639, 22279002, 264564 |
| 2136 | 84346479 (4271, 4272) | Novel Protein sim. GBank gij2662167[dbjBAA23715] - (AB007903) KIAA0443 [Homo sapiens] | | UNCLASSIFIED | 264639 |
| 2137 | 87637716 (4273, 4274) | Novel Protein sim. GBank gij4884110[embjCAB43262.1] - (AL050090) hypothetical protein [Homo sapiens] | | UNCLASSIFIED | 264569, 264909, 33109954, 264763, 21906768, 60170394, 18108385, 264563 |
| 2138 | 87395446 (4275, 4276) | Novel Protein sim. GBank gij5174779[gbjAAD40696.1] - (U87804) 50 kDa protein [Caulobacter crescentus] | | ATPase-associated | 264259, 29331828, 35696052, 264909, 265008, 265017, 265018, 18108351, 264288, 21906768, 33657023, 33657109, 264628, 18108374, 35695855, 264634, 264555, 264556, 264557, 264558, 264559 |
| 2139 | 94843882 (4277, 4278) | Novel Protein sim. GBank gij3850821[embjCAA77135] - (Y18350) U2 snRNP auxiliary factor, large subunit [Nicotiana glauca] | | | 264905, 264910, 264591, 55812038, 55811386, 85658542, 264760, 18108351, 18108359, 55811957, 265020, 265021, 33657023, 18108384, 55811576, 83373044, 18108385, 56526486, 264482 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 2140 | 87645655 (4279, 4280) | Novel Protein sim. GBank gl 417293 gb AAD20418 - (AC007019) unknown protein [Arabidopsis thaliana] | | UNCLASSIFIED | 264488, 264259, 29331824, 264104, 264108, 264509, 285006, 264759, 265018, 264448, 264288, 21906768, 55811957, 265021, 33657023, 27486265, 35696423, 264636, 264556, 264557, 264559, 264566 |
| 2141 | 79823986 (4281, 4282) | | | UNCLASSIFIED | 265020, 264693 |
| 2142 | 80041222 (4283, 4284) | | | UNCLASSIFIED | 263978 |
| 2143 | 94140051 (4285, 4286) | Novel Protein sim. GBank gl 2135766 pir S53362 - mucin SAC (clone JER47) - human (fragment) | | UNCLASSIFIED | 22278997, 29331827, 264907, 265020, 60432113 |
| 2144 | 94320114 (4287, 4288) | Novel Protein sim. GBank gl 2078483 (U43200) - antifreeze glycoprotein AFGP polypeptide precursor [Boreogadus saida] | | UNCLASSIFIED | 65274572, 264259, 29331824, 29331827, 264906, 264908, 264591, 265011, 87168559, 264600, 265019, 264288, 264768, 21906765, 21906767, 55811576, 35696423, 65274791, 22279002 |
| 2145 | 20564305 (4289, 4290) | | | UNCLASSIFIED | 263978 |
| 2146 | 87010515 (4291, 4292) | Novel Protein sim. GBank gl 1235871 (U53341) - short region of weak similarity to bovine membrane receptor p63 (PIR:S28503) [Caenorhabditis elegans] | | UNCLASSIFIED | 264909, 60433356, 264686 |
| 2147 | 80432911 (4293, 4294) | Novel Protein sim. GBank gl 3080398 emb CAA18718.1 - (AL022603) putative protein [Arabidopsis thaliana] | | UNCLASSIFIED | 264907, 264768, 284769, 18108385 |
| 2148 | 80048811 (4295, 4296) | Novel Protein sim. GBank gl 728837 sp P39194 ALU7_HUMAN - IIII ALU SUBFAMILY SQ WARNING ENTRY IIII | | UNCLASSIFIED | 264593 |
| 2149 | 87362022 (4297, 4298) | Novel Protein sim. GBank gl 119863 sp P20693 FCE2_MOUSE - LOW AFFINITY IMMUNOGLOBULIN EPSILON FC RECEPTOR (LYMPHOCYTE IGE RECEPTOR) (FC-EPSILON-RII) (CD23) | Contains protein domain (PF00059) - glycoprotein Lectin C-type domain | | 29331824, 29331826, 35696052, 264758, 87168474, 265018, 52644150, 33657109 |
| 2150 | 94140059 (4299, 4300) | Novel Protein sim. GBank gl 5420387 emb CAB46679.1 - (AJ243459) proteophosphoglycan [Leishmania major] | | UNCLASSIFIED | 22278998, 29331822, 29331824, 29331828, 264764, 264769, 21906768, 264486 |
| 2151 | 95353241 (4301, 4302) | Novel Protein sim. GBank gl 5689407 db BAA82987.1 - (AB028958) KIAA1035 protein [Homo sapiens] | | | 22278996, 56994075, 22278999, 60432049, 264259, 29331822, 29331824, 29331826, 35696052, 29331828, 264508, 264511, 60433356, 264758, 264596, 33109954, 60174639, 265010, 265011, 87168559, 265017, 265018, 265019, 264448, 264288, 264689, 21906765, 21906766, 21906768, 265020, 60170615, 33657109, 33657182, 33657349, 18108370, 264635, 264557, 60170394, 18108385, 87168518, 22279000, 18108397, 18108398, 265007, 264591, 265011, 18108351, 18108368, 18108374, 18108388 |
| 2152 | 79321640 (4303, 4304) | Novel Protein sim. GBank gl 3452473 (AF084205) - serine/threonine protein kinase TAO1 [Rattus norvegicus] | kinase | | |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 2153 | 88313371 (4305, 4306) | Novel Protein sim. GBank gi 4758704 ref NP_004216.1 pMASL - MFH-amplified sequences with leucine-rich tandem repeats 1 | Contains protein domain (PF00560) - Leucine Rich Repeat | glycoprotein | 264488, 263994, 52646842, 22278996, 22278998, 22278999, 264259, 29331822, 35696052, 264508, 264509, 264905, 264906, 264907, 264908, 264909, 56182435, 264510, 264511, 264512, 264758, 87168474, 87168559, 265017, 265019, 264760, 264288, 264369, 264766, 264687, 264769, 52644229, 21906768, 21906768, 35695917, 33657023, 33657109, 35695855, 264631, 264632, 264635, 264636, 264639, 18108385, 264483, 264564, 264486 |
| 2154 | 87408034 (4307, 4308) | Novel Protein sim. GBank gi 225150 prf 1209265U - chorion protein B11 [Bombyx mori] | | UNCLASSIFIED | 58994075, 264094, 265009, 265019, 264288, 21906767, 35695917 |
| 2155 | 87424072 (4309, 4310) | | | UNCLASSIFIED | 18108392, 18108398, 22278996, 264259, 29331824, 265008, 265010, 265011, 265017, 265019, 264288, 264686, 265020, 264693, 264628, 58182323 |
| 2156 | 84295205 (4311, 4312) | Novel Protein sim. GBank gi 3970966 (AC004974) - spa-1-like, similar to AF026504 (PID:g2555183) [Homo sapiens] | | | 265007, 264684 |
| 2157 | 87316344 (4313, 4314) | Novel Protein sim. GBank gi 1076211 pir J550755 - hypothetical protein VSP-3 - Chlamydomonas reinhardtii | | UNCLASSIFIED | 264591 |
| 2158 | 86444218 (4315, 4316) | Novel Protein sim. GBank gi 4650844 dbj BAA77027.1 - (AB026190) Kelch motif containing protein [Homo sapiens] | Contains protein domain (PF00651) - BTB/POZ domain | | 264596 |
| 2159 | 80083729 (4317, 4318) | Novel Protein sim. GBank gi 2879925 dbj BAA24826 - (AB007897) KIAA0437 [Homo sapiens] | | | 29331822, 264112, 265009, 264691, 33657023, 264634 |
| 2160 | 16283674 (4319, 4320) | Novel Protein sim. GBank gi 2879925 dbj BAA24826 - (AB007897) KIAA0437 [Homo sapiens] | | | 264634 |
| 2161 | 87739131 (4321, 4322) | Novel Protein sim. GBank gi 1504006 dbj BAA13202 - (D86966) similarto human ZFY protein. [Homo sapiens] | | UNCLASSIFIED | 265008 |
| 2162 | 94319526 (4323, 4324) | | | UNCLASSIFIED | 65274572, 264508, 264905, 264906, 264907, 264908, 52644045, 264909, 265007, 264910, 264591, 264592, 264593, 55812038, 264596, 264758, 265011, 264600, 264762, 264763, 264683, 264764, 264288, 264766, 264686, 264768, 264769, 264689, 265020, 264691, 264628, 264629, 263978, 264632, 264634, 264557, 264638, 264639, 18108385, 264563, 264566, 264567 |
| 2163 | 95417158 (4325, 4326) | Novel Protein sim. GBank gi 3876537 emb CAA98270 - (Z73974) cDNA EST yk291f5.3 comes from this gene; cDNA EST yk291f5.5 comes from this gene [Caenorhabditis elegans] | | UNCLASSIFIED | 56182575, 22278996, 264093, 264683, 33657023, 65274620, 60432113 |
| 2164 | 80569456 (4327, 4328) | | Contains protein domain (PF01006) - Hepatitis C virus non-structural protein NS4a | collagen | 264603, 264637, 264565 |

| | | | | | |
|------|-----------------------|--|--------------|---|--|
| 2165 | 94329169 (4329, 4330) | Novel Protein sim. GBank gl 1086794 (U41107) - No definition line found [Caenorhabditis elegans] | | UNCLASSIFIED | 56994075, 22278996, 22278997, 22278999, 264259, 29331822, 29331824, 29331825, 29331826, 29331827, 29331828, 264906, 29331830, 56182435, 265009, 21906754, 33657084, 265011, 265019, 264448, 264288, 264369, 21906765, 21906768, 21906769, 265020, 265021, 264691, 264692, 33657023, 65274620, 35695855, 264556, 60170394, 83373044, 60432113, 22279002, 264567 |
| 2166 | 87618934 (4331, 4332) | Novel Protein sim. GBank gl 2705522[embjCAA75816] - (Y15995) ubiquitin activating enzyme [Drosophila melanogaster] | ubiquitin | | 52645158, 22278994, 22278998, 66714117, 29331828, 52644045, 265018, 265019, 264369, 21906765, 21906767, 21906768, 21906769, 265021, 265022, 264693, 27486262, 35695763, 18108376, 56526486, 87168518, 264567 |
| 2167 | 87716864 (4333, 4334) | Novel Protein sim. GBank gl 2224713[dbjBAA20840] - (AB002384) KIAA0386 [Homo sapiens] | UNCLASSIFIED | | 56182575, 35696286, 29331824, 29331826, 29146498, 56182435, 265008, 265009, 264592, 264593, 33657402, 33109954, 265011, 265017, 265018, 18108351, 264369, 21906764, 21906765, 21906768, 29148627, 21906769, 52644150, 33657109, 35696423, 18108381, 18108384, 18108385, 60432113, 264567 |
| 2168 | 86999334 (4335, 4336) | Novel Protein sim. GBank gl 4321407[gbjAAD15748] - (AF047690) ATP-binding cassette protein M-ABC1 [Homo sapiens] | transport | Contains protein domain (PF00664) - ABC transporter transmembrane region. | 66714117, 29331827, 264907, 264511, 264591, 265018, 264764, 264683, 264766, 264788, 264566 |
| 2169 | 87868937 (4337, 4338) | Novel Protein sim. GBank gl 5106521[gbjAAD39741.1] (AF105365) K-CI cotransporter KCC4 [Homo sapiens] | UNCLASSIFIED | | 264629, 264555, 264559 |
| 2170 | 94141033 (4339, 4340) | Novel Protein sim. GBank gl 5106521[gbjAAD39741.1] (AF105365) K-CI cotransporter KCC4 [Homo sapiens] | UNCLASSIFIED | | 65274572, 56182575, 22278997, 22278998, 264259, 29331825, 264509, 264906, 56182435, 60433438, 55812038, 264596, 55811386, 265019, 264762, 264763, 264448, 264764, 264684, 264288, 264766, 264685, 56181562, 264689, 55811957, 265020, 264535, 264691, 33657109, 60431528, 18108374, 35696423, 55811576, 65274791, 264634, 264639, 264558, 87168518, 60432113, 264564 |
| 2171 | 80194050 (4341, 4342) | | UNCLASSIFIED | | 264369, 265020, 264558 |
| 2172 | 85452460 (4343, 4344) | | UNCLASSIFIED | | 264259, 264558 |
| 2173 | 87036740 (4345, 4346) | Novel Protein sim. GBank gl 4309681[gbjAAD15478] - (AC006930) R33423_1 [Homo sapiens] | UNCLASSIFIED | | 264369 |
| 2174 | 95003288 (4347, 4348) | Novel Protein sim. GBank gl 2493778[spIQ09456] YQ35 - PUTATIVE CUTICLE COLLAGEN C09G5.5 | | | 264906, 35695855, 264555, 264557 |

| | | | | |
|------|-----------------------|--|--------------|--|
| 2175 | 94325850 (4349, 4350) | Novel Protein sim. GBank gi 1263287 (U47855) - fibroin-3 [Araneus diadematus] | UNCLASSIFIED | 264488, 35696286, 20281099, 29331826, 60432289, 35698052, 264109, 264508, 264509, 264905, 264906, 264907, 264908, 264909, 264510, 264511, 265006, 265007, 264512, 265008, 264910, 264591, 264594, 264595, 264596, 264758, 55812038, 265011, 264800, 264603, 264760, 264762, 264448, 264764, 264288, 264766, 264686, 264687, 21906768, 55811957, 35695917, 265020, 265022, 264691, 264692, 33657023, 264693, 264628, 264629, 55811576, 35696423, 65274791, 35695855, 264631, 264632, 264634, 264635, 264636, 264637, 264638, 264639, 264558, 18108385, 60432113, 264563, 264564, 264565, 264566, 264486, 264567 |
| 2176 | 88223392 (4351, 4352) | Novel Protein sim. GBank gi 728837 sp P39194 ALU7_HUMAN - IIII ALU SUBFAMILY SQ WARNING ENTRY IIII | oncogene | 52644507, 52646842, 22278994, 35696286, 22278996, 22278999, 29331826, 29331827, 35696052, 29331828, 33656970, 29331830, 264910, 33657402, 264758, 52644296, 87168559, 265018, 264689, 21908765, 21906767, 21906769, 35695917, 52644150, 264690, 33657023, 33657109, 52645129, 33657182, 27486261, 27486262, 33657349, 18108376, 18108377, 35695855, 87168518, 60432113, 264404, 22279000, 264486 |
| 2177 | 94128942 (4353, 4354) | Novel Protein sim. GBank gi 5454072 ref NP_006416.1 pSLU7 - step II splicing factor SLU7 | kinase | 18108392, 22278997, 22278999, 264093, 33657402, 265019, 264448, 264766, 264689, 21906767, 21906768, 21906769, 265021, 33657023, 18108370, 18108374, 60432113, 22279002 |
| 2178 | 87601557 (4355, 4356) | Novel Protein sim. GBank gi 473407 (U08215) - NST-1 [Mus musculus] | eph | 264488, 22278996, 22278999, 29331824, 29331825, 29331826, 29331827, 52644296, 87168474, 18108370, 35695855, 22279002 |
| 2179 | 87316275 (4357, 4358) | | UNCLASSIFIED | 60424269, 264760, 264628, 264632 |

| | | | | | |
|------|-----------------------|--|---|-------------------|---|
| 2180 | 95351397 (4359, 4360) | Novel Protein sim. GBank gi 3122317 sp P90848 KMH_B_DICD1 - MYOSIN HEAVY CHAIN KINASE B (MHCK B) | Contains protein domain (PF00400) - WD domain, G-beta repeat | kinase | 52644507, 22278994, 35696286, 22278997, 22278999, 284259, 52645080, 29331822, 29331824, 29331825, 29331826, 29331828, 33656970, 264508, 264509, 264906, 264908, 29331830, 264909, 264510, 265006, 265007, 33657402, 55812038, 21906754, 87168474, 87168559, 265017, 265018, 265019, 264763, 264682, 264683, 264684, 264288, 264686, 21906765, 21906766, 21906769, 265020, 265021, 265022, 52644150, 33657023, 33657109, 27486265, 33857349, 18108374, 35696423, 35695855, 263981, 60170394, 18108385, 56526486, 87168518, 60432113, 22279000, 284482, 264568, 264567, 264486 29331827, 264369, 18108376, 264564 |
| 2181 | 85764930 (4361, 4362) | Novel Protein sim. GBank gi 3024689 sp Q15542 T2D4_HUMAN - TRANSCRIPTION INITIATION FACTOR TFIIID 100 KD SUBUNIT (TAFII-100) (TAFII100) | | kinase | |
| 2182 | 87637731 (4363, 4364) | Novel Protein sim. GBank gi 5420387 emb CAB46679.1 - (AJ243459) proteophosphoglycan [Leishmania major] | | UNCLASSIFIED | 22278996, 22278997, 22278999, 264259, 29331822, 56182435, 264112, 264764, 264288, 21906767, 21906768, 21906769, 33657109, 18108376, 60170394, 22279000, 22279002 |
| 2183 | 85460649 (4365, 4366) | Novel Protein sim. GBank gi 3873406 gb AAC77482.1 - (U17129) unknown [Rhodococcus erythropolis] | | | 264760 |
| 2184 | 87760690 (4367, 4368) | Novel Protein sim. GBank gi 3114713 (AF061346) - Edp1 protein [Mus musculus] | | inf | 29331822, 29331825, 29331826, 56182435, 265011, 264685, 264686, 21906768, 18108370, 264629, 264631, 264636, 264557 29331824, 264907, 66712502, 264757, 265019, 264288, 264692, 56526486 |
| 2185 | 87826463 (4369, 4370) | Novel Protein sim. GBank gi 5106958 gb AAD39906.1 AF11361 - (AF113615) FH1/FH2 domain-containing protein FHOS [Homo sapiens] | | ATPase_associated | 264259, 29331822, 29331824, 29331826, 56182435, 264592, 55812038, 264760, 264766, 55811957, 33657023, 55811576, 56182323, 264563 |
| 2186 | 87739227 (4371, 4372) | Novel Protein sim. GBank gi 2864625 emb CAA16972 - (AL021811) putative protein [Arabidopsis thaliana] | | UNCLASSIFIED | 35696052, 264905, 264906, 264907, 264908, 264510, 264511, 265008, 264910, 264758, 265019, 264762, 264681, 264766, 264769, 35695917, 264692, 35696423, 264631, 264635, 264637, 18108388, 264566, 264486 18108398, 56994075, 264259, 29331824, 29331825, 66714117, 29331827, 264906, 29331830, 265018, 265020, 265021, 56182323, 264559, 22279000, 22279002 |
| 2187 | 87388173 (4373, 4374) | | | histone | |
| 2188 | 87771708 (4375, 4376) | Novel Protein sim. GBank gi 5107816 gb AAD40129.1 AF14941 - (AF149413) contains similarity to histone deacetylases; Pfam PF00850, Score=13.3, E=5e-10, N=1 [Arabidopsis thaliana] | | | |
| 2189 | 85693573 (4377, 4378) | Novel Protein sim. GBank gi 3452357 (AF075724) - unknown [Legionella pneumophila] | Contains protein domain (PF01596) - O-methyltransferase | | 22278996, 264259, 29331826, 21906754, 264369, 264288, 263967 |

| | | | | | |
|------|-----------------------|--|---|---------------|--|
| 2190 | 87639197 (4379, 4380) | Novel Protein sim. GBank gij132575 sp P29315 INI_RAT-RIBONUCLEASE INHIBITOR | | nucleaseinhib | 22278996, 22278999, 29331822, 29331824, 29331826, 265008, 264910, 60170831, 55812038, 52844296, 265010, 265018, 264685, 264688, 56181562, 21906769, 35695917, 265022, 60170394, 22279000 |
| 2191 | 95198928 (4381, 4382) | Novel Protein sim. GBank gij5327002 emb CAB46272.1 - (Y18503) XAP-5-like protein [Homo sapiens] | | | 29331825, 29331826, 29331830, 264510, 264511, 264910, 264593, 264594, 264556, 264559 |
| 2192 | 11126316 (4383, 4384) | Novel Protein sim. GBank gij462600 sp P34400 MI10_CAEEL - MIG-10 PROTEIN | Contains protein domain (PF00169) - PH domain | | 264558 |
| 2193 | 94140073 (4385, 4386) | Novel Protein sim. GBank gij5420389 emb CAB46680.1 - (AJ243460) proteophosphoglycan [Leishmania major] | | UNCLASSIFIED | 56181686, 29331825, 29331827, 264508, 264909, 265008, 264592, 60432229, 264288, 264684, 264766, 35695917, 33657023, 60431802, 60431528, 55810764, 55811576, 65274791, 35695855, 60431850, 56182323, 60432113 |
| 2194 | 21418714 (4387, 4388) | Novel Protein sim. GBank gij2773341 (AF040954) - putative protein phosphatase 1 nuclear targeting subunit [Rattus norvegicus] | | | 264592 |
| 2195 | 88030323 (4389, 4390) | Novel Protein sim. GBank gij2832763 emb CAA15685.1 - (AL009191) /prediction=(method:; /prediction=(method:; /match=(desc:; /match=(desc:; /motif=(desc: [Drosophila melanogaster] | | UNCLASSIFIED | 22278996, 22278999, 35696052, 265006, 21906754, 265017, 35695917, 265021, 265022, 35695855 |
| 2196 | 95091631 (4391, 4392) | Novel Protein sim. GBank gij5262487 emb CAB45699.1 - (AL080076) hypothetical protein [Homo sapiens] | | collagen | 56182575, 35696286, 22278997, 22278999, 264259, 29331822, 66714117, 60432289, 29331827, 35696052, 29331828, 264508, 52844045, 56182435, 264510, 265007, 265008, 265009, 60433438, 55812038, 265010, 265011, 264448, 264288, 264686, 264687, 52644229, 21906765, 21906766, 21906767, 35695917, 265022, 264691, 33657023, 264693, 18108370, 18108376, 35696423, 55811576, 65274791, 35695855, 264636, 56182323, 18108385 |
| 2197 | 95073813 (4393, 4394) | Novel Protein sim. GBank gij4928567 pb AAD34044.1 AF15180 - (AF151807) CGI-49 protein [Homo sapiens] | | | 264768, 264769, 21906765, 21906766, 21906767, 29148627, 55811957, 35696286, 265020, 22278998, 265021, 264259, 33657023, 264693, 29331824, 35696052, 29331828, 18108370, 35695855, 264113, 265008, 264910, 60432229, 56182323, 33657402, 264758, 83373044, 21908754, 265018, 265019, 22279002, 264482, 264448, 264565, 264288, 264369 |
| 2198 | 88060914 (4395, 4396) | Novel Protein sim. GBank gij3548787 (AC005622) - R30953_1 [Homo sapiens] | | UNCLASSIFIED | |

| | | | | | |
|------|-----------------------|---|---|---------------|--|
| 2199 | 88054355 (4397, 4398) | Novel Protein sim. GBank gij2739372 (AC002505) - hypothetical protein [Arabidopsis thaliana] | | | 264105, 264110, 264112, 264688, 55811957, 33657023, 264692, 263967, 20281071, 58526486 |
| 2200 | 87405385 (4399, 4400) | Novel Protein sim. GBank gij3043634[dbj][BAA25481] - (AB011127) KIAA0555 protein [Homo sapiens] | struct | | 29331824, 264763, 264768 |
| 2201 | 94316872 (4401, 4402) | Novel Protein sim. GBank gij3913470[sp][O57314]DPBX_ANAPL - PUTATIVE STEROID DEHYDROGENASE SPM2 | Contains protein domain (PF00106) - short chain dehydrogenase | dehydrogenase | 29331824, 35696052, 264905, 264907, 33657402, 55811386, 265017, 265018, 265019, 264288, 21906768, 35695917, 265020, 265022, 33657023, 33657109, 27486261, 18108370, 35696423, 35695855, 264555, 264556, 83373044, 87168518, 60432113 |
| 2202 | 91672385 (4403, 4404) | Novel Protein sim. GBank gij5262665[embl][CAB45767.1] - (AL080186) hypothetical protein [Homo sapiens] | UNCLASSIFIED | | 264489, 264259, 29331824, 60432289, 35696052, 264905, 264909, 264592, 265017, 265018, 265019, 18108351, 264762, 264448, 264369, 264288, 264766, 21906765, 21906766, 264690, 264691, 264692, 33657109, 264634, 264636, 264555, 264639, 264558, 264559, 83373044, 18108385, 264404, 22279002, 264482 |
| 2203 | 87761832 (4405, 4406) | Novel Protein sim. GBank gij172845[sp][P46629][RB25_RABIT - RAS-RELATED PROTEIN RAB-25] | Contains protein domain (PF00071) - Ras family | glycoprotein | 52646365, 56994075, 264259, 29331822, 29331826, 29331827, 29331828, 264910, 265010, 265011, 87168559, 265018, 265019, 264605, 264288, 21906769, 35695917, 33657023, 264692, 33657109, 35695763, 18108376, 264638, 22279000, 264566, 264567 |
| 2204 | 88086671 (4407, 4408) | Novel Protein sim. GBank gij121036[sp][P29348][GBT3_RAT GUANINE NUCLEOTIDE-BINDING PROTEIN G(T), ALPHA-3 SUBUNIT (GUSTDJCIN ALPHA-3 CHAIN)] | Contains protein domain (PF00503) - G-protein alpha subunit | UNCLASSIFIED | |
| 2205 | 94147589 (4409, 4410) | Novel Protein sim. GBank gij4589480[dbj][BAA76768.1] - (AB023141) KIAA0924 protein [Homo sapiens] | Contains protein domain (PF00096) - Zinc finger, C2H2 type | dna_nu_bind | 18108394, 18108397, 56182575, 60432049, 264259, 29331822, 29331824, 29331825, 29331826, 29331827, 264906, 265007, 265008, 265009, 60432229, 265010, 265011, 265018, 264683, 264288, 264369, 264686, 21906766, 21906768, 21906769, 264690, 264691, 264693, 18108368, 55811576, 65274791, 264634, 18108381, 18108384, 60432113, 22279002, 264563, 264566 |
| 2206 | 20620008 (4411, 4412) | | UNCLASSIFIED | | 264591 |
| 2207 | 87787970 (4413, 4414) | Novel Protein sim. GBank gij4557753[ref][NP_000372.1]pMID1 - midline 1 protein | Contains protein domain (PF00622) - SPRY domain | | 29331822, 56182181, 29331827, 35696052, 52644045, 265006, 265019, 56181562, 55811957, 265021, 33657023, 35695763, 35695855, 60170394, 60432113, 264566 |
| 2208 | 86100830 (4415, 4416) | | | | 264906, 265019, 18108351, 21906769 |
| 2209 | 87800420 (4417, 4418) | Novel Protein sim. GBank gij3966746 (AF105228) - tufelin [Bos taurus] | struct | | 264112, 265009, 264691, 18108365, 18108374, 264634, 20281166 |

| | | | | | |
|------|-----------------------|--|---|----------|---|
| 2210 | 57152407 (4418, 4420) | Novel Protein sim. GBank gi 728837 sp P39194 ALU7_HUMAN - !!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!! | | kinase | 284603 |
| 2211 | 87341720 (4421, 4422) | Novel Protein sim. GBank gi 728837 sp P39194 ALU7_HUMAN - !!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!! | | oncogene | 284685, 284686, 18108365, 22279002, 264482 |
| 2212 | 91223924 (4423, 4424) | Novel Protein sim. GBank gi 3776027 emb CAA08214 - (AJ010475) RNA helicase [Arabidopsis thaliana] | Contains protein domain (PF00270) - DEAD/DEAH box helicase | helicase | 22278995, 22278997, 22278999, 264092, 264094, 29331822, 66714117, 29331828, 29331828, 264907, 52644045, 265009, 60170831, 21906754, 87168559, 265017, 265019, 18108351, 264683, 18108354, 264369, 264766, 264687, 52644229, 21906765, 21906766, 21906767, 21906768, 265021, 33657109, 18108370, 18108374, 264638, 56182323, 18108384, 18108387, 87168518, 264565 |
| 2213 | 91219309 (4425, 4426) | Novel Protein sim. GBank gi 5420387 emb CAB46679.1 - (AJ243459) proteophosphoglycan [Leishmania major] | | | 56182575, 22278996, 22278997, 35696052, 264905, 66712502, 264908, 264828, 56182435, 264112, 265008, 60431735, 60433438, 21906754, 265010, 265011, 265017, 265018, 265019, 18108351, 264765, 21906765, 21906768, 21906769, 265020, 265021, 264693, 264629, 263974, 263976, 18108379, 55811576, 264556, 264637, 264558, 83373044, 22279002, 264482, 264483 |

| | | | | |
|------|-----------------------|---|---|---|
| 2214 | 95361453 (4427, 4428) | Novel Protein sim. GBank gi 4504325 ref NP_000173.1 pHADH - hydroxyacyl- Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein). alpha su | Contains protein domain (PF00725) - 3-hydroxyacyl-CoA dehydrogenase | 264488, 52644507, 18108394, 56182575, 22278994, 22278995, 35696286, 56994075, 22278997, 22278998, 22278999, 264490, 60432049, 264259, 52645080, 29331822, 29147620, 29331824, 66714117, 29331825, 60432289, 29331826, 29331827, 35696052, 29331828, 20281100, 264509, 264907, 66712502, 264908, 29331830, 52644045, 56182435, 264510, 265006, 264511, 264512, 265007, 265008, 265009, 60170831, 264593, 60433356, 60433438, 33109954, 33657084, 52644296, 87168474, 265010, 265011, 87168559, 264601, 265017, 265018, 265019, 18108351, 264448, 264682, 264763, 264288, 264687, 52644229, 264689, 21906765, 21906766, 21906767, 21906768, 21906769, 35695917, 265020, 265021, 265022, 264532, 60170615, 264690, 52644150, 264691, 33657023, 264692, 18108364, 33657109, 33657182, 27486262, 27486264, 27486265, 35695763, 18108370, 264629, 60431528, 18108374, 18108376, 55810764, 35696423, 35695855, 264634, 264636, 52644332, 264638, 264558, 60170394, 18108381, 56182323, 83373044, 18108385, 18108387, 18108388, 56526486, 87168518, 60432113, 22279002, 264482, 264564, 264565, 264566, 264909, 265006, 264555, 264558, 87168518 |
| 2215 | 95419206 (4428, 4430) | Novel Protein sim. GBank gi 1947160 (AF000298) - weak similarity to collagens; glycine- and proline-rich (Caenorhabditis elegans) | | |
| 2216 | 87614046 (4431, 4432) | Novel Protein sim. GBank gi 1572802 (U70854) - similar to Enterococcus faecalis TRAB (GI:388268) [Caenorhabditis elegans] | UNCLASSIFIED | 264693 |
| 2217 | 80589404 (4433, 4434) | Novel Protein sim. GBank gi 5031707 ref NP_005503.1 pGARP - glycoprotein A repetitions predominant | Contains protein domain (PF00560) - Leucine Rich Repeat | 264288, 33657109, 264556 |
| 2218 | 85518254 (4435, 4436) | Novel Protein sim. GBank gi 3878636 emb CAA88953 - (Z49128) similar to cAMP-dependant protein kinase; cDNA EST EMBL:U00719 comes from this gene; cDNA EST yk465d8.3 comes from this gene; cDNA EST yk465d8.5 comes from this gene; cDNA EST yk492f4.3 comes from this gene; cDNA EST y... | Contains protein domain (PF00009) - Eukaryotic protein kinase domain | 35696423, 264563 |
| 2219 | 87614048 (4437, 4438) | Novel Protein sim. GBank gi 1572802 (U70854) - similar to Enterococcus faecalis TRAB (GI:388268) [Caenorhabditis elegans] | Contains protein domain (PF01963) - TraB family | 264682, 264683, 264688, 264689, 264693, 18108370, 18108378 |

| | | | | | |
|------|-----------------------|---|---|--------------|---|
| 2220 | 95354165 (4439, 4440) | Novel Protein sim. GBank gi 4507261 ref NP_003145.1 pSTAT - statlerin | | | 264488, 18108394, 18108395, 35696286, 264259, 264097, 60432289, 264509, 264905, 264906, 264907, 29331830, 264908, 264909, 264510, 264511, 265007, 264512, 264910, 265009, 264593, 264594, 60433356, 264595, 55812038, 264758, 85658542, 265010, 264601, 264603, 265019, 264605, 264760, 264762, 264448, 264764, 264369, 264766, 18108357, 264768, 264687, 18108358, 264769, 55811957, 264690, 264691, 33657023, 264692, 18108362, 18108368, 264628, 264629, 18108374, 263978, 264634, 264635, 264636, 264637, 264638, 18108385, 264483, 264566, 264486, 264567 |
| 2221 | 88060927 (4441, 4442) | Novel Protein sim. GBank gi 3549154 (AC005625) - R27328_1 [Homo sapiens] | | | |
| 2222 | 84425892 (4443, 4444) | | | UNCLASSIFIED | 264908, 265020, 35695855 |
| 2223 | 95091649 (4445, 4446) | | | UNCLASSIFIED | 265010, 264685, 264690, 264693, 264628, 263974, 263976, 55811576, 264555, 264638, 83373044, 264483 |
| 2224 | 87388515 (4447, 4448) | Novel Protein sim. GBank gi 3876005 emb CAA84799 - (Z35719) cDNA EST EMBL:D67419 comes from this gene; cDNA EST EMBL:C13853 comes from this gene; cDNA EST EMBL:C11578 comes from this gene; cDNA EST yk234a7.3 comes from this gene; cDNA EST yk234a7.5 comes from this gene; cDNA ES... | Contains protein domain (PF01958) - Domain of unknown function | UNCLASSIFIED | 264259, 264509, 56182435, 265008, 265008, 265009, 264757, 21906754, 18108351, 264693, 18108374, 18108385 |
| 2225 | 85749484 (4449, 4450) | Novel Protein sim. GBank gi 1255847 (U53338) - C05E11.1 gene product [Caenorhabditis elegans] | transport | | 22278994, 22278995, 22278999, 52644045, 264600, 265019, 21906765, 21906769 |
| 2226 | 86978953 (4451, 4452) | Novel Protein sim. GBank gi 4826524 emb CAB42852.1 - (AL049848) hypothetical protein [Homo sapiens] | | | 264259, 29331822, 29331824, 29331825, 29331827, 264508, 264906, 265007, 264691, 264634, 264486 |
| 2227 | 87721135 (4453, 4454) | | | UNCLASSIFIED | 22278999, 265006, 265008, 18108354, 29148629, 29148784, 27486261, 18108374, 264637, 18108384 |
| 2228 | 91227337 (4455, 4456) | Novel Protein sim. GBank gi 606976 (U16800) - ribonucleoprotein [Xenopus laevis] | Contains protein domain (PF00076) - RNA recognition motif. (a.k.a. RRM; RBD, or RNP domain) | dna_rna_bind | 264091, 264092, 264094, 29331822, 29331825, 66714117, 264693, 263972, 264639, 83373044, 264563 |
| 2229 | 88060931 (4457, 4458) | Novel Protein sim. GBank gi 3549155 (AC005625) - R27328_2 [Homo sapiens] | | UNCLASSIFIED | |

| | | | | | |
|------|-----------------------|---|---|-------------------|--|
| 2230 | 95342915 (4459, 4460) | Novel Protein sim. GBank gi 226154 prf 1412350A - DNA polymerase [Human adenovirus type 2] | | UNCLASSIFIED | 264488, 264768, 52644507, 264769, 21906765, 21906766, 21906767, 21906769, 22278995, 35695917, 22278996, 22278997, 22278998, 22278999, 265021, 264259, 52645129, 29331827, 264508, 264509, 264907, 18108370, 18108374, 35696423, 35695855, 265007, 264910, 264555, 33657402, 21906754, 18108387, 265010, 265018, 265019, 264760, 264288, 264567, 264563 |
| 2231 | 88060937 (4461, 4462) | Novel Protein sim. GBank gi 3549154 (AC005625) - R27328_1 [Homo sapiens] | | UNCLASSIFIED | |
| 2232 | 87762581 (4463, 4464) | Novel Protein sim. GBank gi 5281316 gb AAD41476.1 AF13312 - (AF133124) transcription factor IIIC63 [Homo sapiens] | | transcript factor | 18108394, 56182575, 22278995, 35695286, 22278997, 22278999, 264259, 29331827, 35696052, 264907, 56182435, 265006, 265007, 265008, 264910, 264758, 55812038, 264603, 265018, 265019, 18108351, 264682, 264764, 264683, 264369, 264288, 264686, 264687, 264689, 21906765, 21906766, 21906767, 21906769, 29148629, 35695917, 264690, 52644150, 264691, 33657023, 264693, 18108370, 18108374, 55811576, 35695855, 264639, 18108385, 264564, 264906, 33657402, 265018, 264288, 264686, 265020, 264635, 18108385 |
| 2233 | 87755292 (4465, 4466) | Novel Protein sim. GBank gi 4249733 gb AAD13780 - (AF109377) IdBp [Mus musculus] | | | kinase |
| 2234 | 87771817 (4467, 4468) | Novel Protein sim. GBank gi 1706559 sp P54352 EAS_DROME - ETHANOLAMINE KINASE (EASILY SHOCKED PROTEIN) | | | 265020, 264693, 264556, 56526486 |
| 2235 | 91012316 (4469, 4470) | Novel Protein sim. GBank gi 4972734 gb AAD34762.1 - (AF132174) unknown [Drosophila melanogaster] | Contains protein domain (PF00400) - WD domain, G-beta repeat | UNCLASSIFIED | 22278997, 264563 |
| 2236 | 88003131 (4471, 4472) | Novel Protein sim. GBank gi 1082675 prf B53814 - p20 protein - human | Contains protein domain (PF00011) - eph Hsp20/alpha crystallin family | eph | 264569, 264687, 264769, 265022, 264259, 60432049, 264691, 29331826, 60432289, 20281149, 264906, 264907, 264511, 265008, 265009, 264634, 264635, 264636, 264555, 264556, 264557, 264558, 60433356, 264595, 264559, 60433438, 60432113, 264761, 264762, 264763, 264764 |
| 2237 | 91012318 (4473, 4474) | Novel Protein sim. GBank gi 4972734 gb AAD34762.1 - (AF132174) unknown [Drosophila melanogaster] | Contains protein domain (PF00400) - WD domain, G-beta repeat | kinase | 264488, 264769, 21906765, 21906766, 21906767, 21906768, 21906769, 22278995, 22278996, 22278997, 22278998, 265020, 265021, 22278999, 264259, 29331824, 29331826, 29331827, 35695763, 18108376, 35695855, 265007, 60432229, 33657402, 60433356, 60433438, 83373044, 18108385, 21906754, 18108387, 60432113, 22279000, 265019, 22279002, 264482, 18108351, 264288 |

| | | | | | | |
|------|-----------------------|--|--|---|-----------|---|
| 2238 | 94998857 (4475, 4476) | | | Contains protein domain (PF00286) - Viral coat protein | | 264509, 264907, 264629, 264634, 264564 |
| 2239 | 87798688 (4477, 4478) | | | | | 29331825, 265009, 264369, 33657109, 18108370, 18108374, 264557, 264559 |
| 2240 | 94121471 (4479, 4480) | Novel Protein sim. GBank gij2982311 (AF051240) - probable ubiquitin-conjugating enzyme E2 [Picea mariana] | | Contains protein domain (PF00179) - Ubiquitin-conjugating enzyme | ubiquitin | 264488, 65274572, 56182575, 35696286, 22278997, 22278999, 264259, 29331827, 35696052, 264508, 52644045, 56182435, 264511, 265007, 265008, 265009, 60433356, 60433438, 55812038, 21906754, 33657084, 55811386, 265018, 265019, 18108351, 264683, 264288, 264768, 264687, 264688, 264769, 21906765, 21906788, 21906789, 35695917, 265021, 265022, 60170615, 52644150, 33657023, 33657182, 33657349, 35695763, 18108370, 35696423, 35695855, 87158518, 22279000 |
| 2241 | 80091951 (4481, 4482) | Novel Protein sim. GBank | | UNCLASSIFIED | | 264693, 264629 |
| 2242 | 91228075 (4483, 4484) | gij2494312[sp]P70541[E2BG_RAT - TRANSLATION INITIATION FACTOR EIF-2B GAMMA SUBUNIT (EIF-2B GDP-GTP EXCHANGE FACTOR)] | | synthase | | 22278995, 22278996, 22278997, 22278998, 264259, 29331822, 29331824, 29331826, 29331827, 29331828, 264509, 265007, 265009, 264596, 21906754, 265010, 265011, 265017, 265018, 265019, 264448, 264369, 264288, 52644229, 21906765, 21906766, 21908767, 21908768, 21906769, 265020, 265021, 33657109, 27486262, 27486264, 18108374, 35695855, 264634, 264637, 56182323, 83373044, 56526486, 87168518, 264564 |
| 2243 | 78902026 (4485, 4486) | Novel Protein sim. GBank gij2291143 (AF016417) - Similar to BZIP transcription factor [Caenorhabditis elegans] | | UNCLASSIFIED | | 265008 |
| 2244 | 85723527 (4487, 4488) | Novel Protein sim. GBank gij470340 (U000043) - similar to beta-mannosyltransferase [Caenorhabditis elegans] | | UNCLASSIFIED | | 264604 |
| 2245 | 95318545 (4489, 4490) | | Contains protein domain (PF00534) - Glycosyl transferases group 1 | UNCLASSIFIED | | 52645156, 22278995, 22278996, 22278997, 22278999, 29331822, 29331824, 29331827, 264907, 264512, 60433438, 264758, 21906754, 265011, 264603, 264764, 264687, 21906767, 21906768, 21906769, 55811957, 265022, 264691, 264629, 35696423, 264638, 18108387, 60432113, 22279000, 22279002, 264566 |

| | | | | | |
|------|-----------------------|--|--|--------------|--|
| 2246 | 94848710 (4491, 4492) | Novel Protein sim. GBank gi 4996096 dbj BAA78326.1 - (AB028069) activator of S phase Kinase [Homo sapiens] | Contains protein domain (PF00153) - Mitochondrial carrier proteins | transport | 65274572, 22278995, 35696286, 22278996, 22278997, 22278999, 264259, 35696052, 264106, 264905, 264907, 265006, 265007, 265008, 60433438, 33109954, 87188559, 265018, 265019, 264288, 21906765, 21906767, 21906768, 21906769, 55811957, 35695917, 265020, 265022, 27486264, 18108370, 18108374, 65274791, 35695955, 60432113 |
| 2247 | 87862542 (4493, 4494) | Novel Protein sim. GBank gi 854065 emb CAA58337 - (X83413) U88 [Human herpesvirus 6] | | UNCLASSIFIED | 52645156, 52646365, 52645080, 35696052, 33656970, 52648317, 33657084, 265017, 21906768, 21906769, 35695917, 33657109, 52645129, 33657182, 27486261, 27486262, 33657349, 27486265, 18108387 |
| 2248 | 95412996 (4495, 4496) | Novel Protein sim. GBank gi 4758502 ref NP_004123.1 pHABP - hyaluronan-binding protein 2 | Contains protein domain (PF00089) - Trypsin | cathepsin | 264488, 264259, 264907, 29331830, 264909, 265007, 265009, 264595, 21906754, 65274444, 264603, 265019, 264762, 264448, 264288, 264688, 21906768, 55811957, 265021, 264691, 18108374, 264634, 264635, 264636, 264555, 264638, 264557, 264558, 264559, 18108383, 83373044, 18108385, 264486 |
| 2249 | 94685662 (4497, 4498) | Novel Protein sim. GBank gi 4038461 (AF107772) - TcSTI1 [Trypanosoma cruzi] | Contains protein domain (PF00515) - TPR Domain | - eph | 264766, 264628, 264636, 264637 |
| 2250 | 79827508 (4499, 4500) | Novel Protein sim. GBank gi 3738140 emb CAA2124.1 - (AL031852) valyl-tRNA synthetase, mitochondrial precursor [Schizosaccharomyces pombe] | | UNCLASSIFIED | 264908, 18108374 |
| 2251 | 87385863 (4501, 4502) | Novel Protein sim. GBank gi 3218467 emb CAA07090.1 - (AJ006529) putative phosphatase [Gallus gallus] | | UNCLASSIFIED | 264259, 35696052, 264508, 56182435, 265009, 264592, 264593, 264760, 264448, 264684, 264288, 264690, 264628, 55811576, 264555, 264556, 264557, 264558, 264559, 264566 |
| 2252 | 87735867 (4503, 4504) | Novel Protein sim. GBank gi 4929325 gb AAD33953.1 AF14531 - (AF145316) vacuolar proton pump delta polypeptide [Homo sapiens] | Contains protein domain (PF01813) - ATP synthase subunit D | - synthase | 264092, 264094, 264259, 29331822, 66714117, 29331828, 264102, 264103, 264104, 264105, 264109, 264112, 264511, 265007, 60433356, 265010, 18108351, 21906767, 21906768, 264691, 263974, 263977, 264486, 264567 |
| 2253 | 91010703 (4505, 4506) | | | UNCLASSIFIED | 65274572, 265019 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 2254 | 95320031 (4507, 4508) | Novel Protein sim. GBank gi 4502847 ref NP_001271.1 pCIRB - cold inducible RNA- binding protein | Contains protein domain (PF00076) - RNA recognition motif. (a.k.a. RRM, RBD, or RNP domain) | dna_rna_bind | 264569, 18108394, 18108398, 56182575, 56994075, 35696286, 22278999, 264094, 60432049, 264259, 29331822, 29331824, 29331825, 29331826, 60432289, 29331827, 29331828, 35696052, 264106, 264508, 264509, 264906, 264907, 29331830, 66712502, 264908, 264909, 264510, 265006, 264511, 265007, 265008, 265009, 60170831, 60432229, 60433358, 60433438, 264758, 85658542, 265010, 265011, 87169559, 265017, 265018, 265019, 264448, 264764, 264288, 284369, 264766, 264686, 264768, 264769, 21906765, 21906767, 55811957, 264691, 33657023, 264692, 18108362, 65274620, 263969, 264628, 18108370, 60431528, 263972, 264629, 18108372, 18108377, 18108379, 55811576, 35696423, 35695855, 264630, 264634, 264635, 264636, 264558, 263981, 264638, 56182323, 60170394, 264558, 18108381, 18108382, 83373044, 18108385, 87168518, 60432113, 22279002, 264482, 264564, 264565, 264486, 264567, 18108391 |
| 2255 | 91010546 (4509, 4510) | Novel Protein sim. GBank gi 5541865 emb CAB51072.1 - (AL096858) hypothetical protein [Homo sapiens] | Contains protein domain (PF00076) - RNA recognition motif. (a.k.a. RRM, RBD, or RNP domain) | struct | 65274572, 56182575, 22278997, 22278999, 264259, 29331822, 29331825, 29331826, 29331827, 29331828, 264508, 264905, 264906, 264907, 66712502, 264908, 56182435, 264510, 264511, 265008, 264593, 264595, 21906754, 33109954, 87168474, 265011, 265017, 265019, 264682, 264764, 264369, 264288, 264768, 264685, 264686, 264768, 21906765, 21906766, 21906768, 21906769, 265020, 60170615, 52644150, 264690, 264692, 264693, 33657109, 33657349, 264632, 264636, 52644332, 56182323, 22279000, 22279002, 264768, 264689, 18108374 |
| 2256 | 87020531 (4511, 4512) | Novel Protein sim. GBank gi 3327174 dbj BAA31655 - (AB014580) KIAA0680 protein [Homo sapiens] | | UNCLASSIFIED | |
| 2257 | 80088235 (4513, 4514) | | | UNCLASSIFIED | |
| 2258 | 88090516 (4515, 4516) | Novel Protein sim. GBank gi 3025446 (AC004528) - R32184_2 [Homo sapiens] | Contains protein domain (PF00060) - Ligand-gated ion channel | misc_channel | 22278996, 22278999, 264681, 21906765, 21906766, 264567 264908, 264592, 264764 |

| | | | | | |
|------|-----------------------|---|---|---------------|--|
| 2259 | 95364155 (4517, 4518) | Novel Protein sim. GBank gi 4884140 emb CAB43278.1 - (AL050110) hypothetical protein [Homo sapiens] | | UNCLASSIFIED | 18108396, 65274572, 56182575, 22278997, 22278998, 264259, 29331822, 29331827, 264905, 68712502, 264908, 264909, 56182435, 265007, 265008, 60432229, 33657084, 87168559, 18108351, 264448, 264683, 264288, 264369, 56181562, 265021, 50170615, 264690, 33657109, 60431528, 18108374, 52644332, 56182323, 18108385, 22279000, 22279002, 264482 |
| 2260 | 88084119 (4519, 4520) | Novel Protein sim. GBank gi 3080663 (AC004614) - similar to f-spondin proteins AB006086 (PID:g2529225) [Homo sapiens] | Contains protein domain (PF00090) - Thrombospondin type 1 domain | oxidase | 56182575, 265020, 264905, 264906, 264908, 35696423, 264511, 264635, 55812038, 264758, 265018, 265019, 264605, 264760, 264563 |
| 2261 | 88074157 (4521, 4522) | Novel Protein sim. GBank gi 3334526 emb CAA16138 - (AL021306) predicted using FGENEH [Homo sapiens] | | UNCLASSIFIED | |
| 2262 | 91639292 (4523, 4524) | Novel Protein sim. GBank gi 4877759 gb AAD31421.1 AF12444 - (AF124440) MAGE tumor antigen D1 [Homo sapiens] | | | 56182575, 22278998, 29331822, 29331825, 60432289, 29331827, 35696052, 264508, 66712502, 52644045, 56182435, 265006, 265008, 265009, 60433356, 55812038, 265010, 265017, 265019, 264288, 264369, 21906765, 21906767, 55811957, 35695917, 52644150, 33657023, 33657109, 55811576, 65274791, 56182323 |
| 2263 | 87602495 (4525, 4526) | Novel Protein sim. GBank gi 3341697 (AC003672) - hypothetical protein [Arabidopsis thaliana] | | | 22278994, 22278997, 264907, 264828, 52644150, 18108361, 264693, 18108374 |
| 2264 | 87756525 (4527, 4528) | Novel Protein sim. GBank gi 1657601 (U66220) - unknown [Nannocystis exedens] | | UNCLASSIFIED | 264686, 264488, 264768, 264769, 264691, 264508, 264905, 264509, 264906, 264907, 264908, 264909, 35695855, 264510, 264511, 264512, 265007, 265009, 264638, 264639, 264757, 264758, 18108385, 265011, 264760, 264584, 264565, 264764, 264566, 264486, 264766 |
| 2265 | 86918663 (4529, 4530) | Novel Protein sim. GBank gi 477072 pir JA48018 - mucin 7 precursor, salivary - human | Contains protein domain (PF00096) - Zinc finger, C2H2 type | UNCLASSIFIED | 264689, 264910, 264764 |
| 2266 | 87773458 (4531, 4532) | Novel Protein sim. GBank gi 3150479 (AF067212) - partial CDS [Caenorhabditis elegans] | Contains protein domain (PF01305) - Ribosomal protein L15 amino terminal region | ribosomalprot | 22278995, 22278997, 22278999, 264259, 265006, 265007, 265009, 60433438, 21906754, 265010, 265011, 265017, 264448, 264683, 264288, 264689, 21906765, 21906768, 35695917, 265021, 18108374, 264638, 22279000, 22279002, 264566, 264487 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 2267 | 87395838 (4533, 4534) | Novel Protein sim. GBank gij3560229[embjCAA20697.1] - (AL031530) hypothetical protein [Schizosaccharomyces pombe] | | UNCLASSIFIED | 35696286, 264259, 29331824, 29331825, 35696052, 29331828, 264905, 264509, 264907, 264908, 264909, 264512, 265009, 264910, 264593, 33657402, 265010, 265018, 264762, 264448, 264288, 264369, 264768, 52644229, 35695917, 264691, 33657023, 18108362, 33657109, 35698423, 264634, 18108381, 87168518, 264568 |
| 2268 | 85693867 (4535, 4536) | Novel Protein sim. GBank gij728632[spP39189]ALU2_HUMAN - III ALU SUBFAMILY SB WARNING ENTRY III | cadherin | | 264488, 264259, 264509, 264595, 265010, 265017, 264766, 18108385, 264486 |
| 2269 | 88177977 (4537, 4538) | Novel Protein sim. GBank gij103418[pij]S17885 - Tcd37 protein - fruit fly (Drosophila melanogaster) | UNCLASSIFIED | | 56182575, 60432049, 265007, 265009, 264591, 87168559, 264605, 18108351, 21906764, 265020, 264629, 60431528, 264638, 18108385, 18108387, 60432113, 264763 |
| 2270 | 80410327 (4539, 4540) | | | | |
| 2271 | 91010392 (4541, 4542) | | | | |
| 2272 | 84208220 (4543, 4544) | | | | |
| 2273 | 95014271 (4545, 4546) | Novel Protein sim. GBank gij14176370 (AC005058) - similar to calcium-independent phospholipase A2; similar to AC004392 (PID:g3367519) [Homo sapiens] | cyl450 | | 264909, 56182435, 265008, 55812038, 55811957, 33657023, 264693, 33657109, 55810764, 55811576, 56182323 |
| 2274 | 91640217 (4547, 4548) | Novel Protein sim. GBank gij1480112[embjCAA67961] - (X99642) HP1-BP74 protein [Mus musculus] | Contains protein domain (PF00462) - Glutaredoxin | UNCLASSIFIED | 264905, 264908 |
| 2275 | 86082501 (4549, 4550) | Novel Protein sim. GBank gij3165406 (AC004755) - fos37502_2 [Homo sapiens] | Contains protein domain (PF00536) - linker histone H1 and H5 family | | 52645156, 22278997, 22278999, 52645080, 29331824, 29331825, 29331826, 29331827, 29331828, 264905, 264908, 52644045, 264511, 265008, 265009, 60170831, 264591, 21906754, 33109954, 265011, 265018, 18108351, 264448, 264288, 264684, 264766, 21906765, 21906766, 21906767, 21906768, 52644150, 264693, 18108364, 35695763, 18108374, 35698423, 264634, 264557, 264638, 52644332, 83373044, 18108385, 56326486, 87168518, 22279002 |
| 2276 | 11287447 (4551, 4552) | | Contains protein domain (PF00122) - E1-E2 ATPase | transport | |
| | | | UNCLASSIFIED | | 264555, 264556 |

| | | | | | |
|------|-----------------------|---|--|--------------|---|
| 2277 | 88084123 (4553, 4554) | Novel Protein sim. GBank gl 2680079 (AC004142) - similar to murine leucine-rich repeat protein; possible role in neural development by protein-protein interactions; 93% similarity to D49802 (PID:g1369906) [Homo sapiens] | Contains protein domain (PF00560) - Leucine Rich Repeat | glycoprotein | 22278999, 35696052, 265008, 265019, 264369, 265020, 265022, 55810764, 264404, 22279002 |
| 2278 | 94133079 (4555, 4556) | Novel Protein sim. GBank gl 2618702 (AC002510) - unknown protein [Arabidopsis thaliana] | | UNCLASSIFIED | 18108394, 22278997, 29331826, 60433356, 60433438, 21906754, 265018, 33657023, 264639, 83373044, 264565 |
| 2279 | 80419375 (4557, 4558) | Novel Protein sim. GBank gl 1197141sp P13983 EXTN_TOBAC - EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) | | UNCLASSIFIED | 264756, 264565 |
| 2280 | 84239723 (4559, 4560) | Novel Protein sim. GBank gl 4240299 dbj BAA74928.1] - (AB020712) KIAA0905 protein [Homo sapiens] | Contains protein domain (PF00400) - WD domain, G-beta repeat | transport | 265008, 33109954, 265010, 265019, 265020 |
| 2281 | 95293048 (4561, 4562) | | | | 264032, 264259, 29331822, 29331824, 29331826, 35696052, 264107, 264906, 264909, 52644045, 265006, 33657402, 60433356, 264758, 265011, 265019, 264681, 264683, 264684, 264686, 21906765, 21906767, 21906768, 21906769, 60170615, 264690, 52644150, 18108362, 264692, 18108368, 18108374, 263978, 264631, 18108381, 264559, 18108385, 56526486, 22279000, 264566, 264567 |
| 2282 | 87602829 (4563, 4564) | Novel Protein sim. GBank gl 1537070 (U63840) - nucleoprotein p54 [Rattus norvegicus] | | UNCLASSIFIED | 264488, 264259, 29331822, 29331824, 29331827, 29331828, 29331830, 33657402, 60433438, 87168474, 265019, 18108351, 21906767, 21906769, 55811957, 33657023, 52645129, 33657109, 33657182, 27486262, 263972, 55811576, 87168518, 20281169 |
| 2283 | 95362386 (4565, 4566) | Novel Protein sim. GBank gl 2495729 sp Q92556 Y281_HUMAN - HYPOTHETICAL PROTEIN KIAA0281 (HA6725) | | UNCLASSIFIED | 60424179, 56182575, 22278994, 35696286, 22278997, 22278999, 29331822, 29331824, 56182181, 29331825, 29331827, 35696052, 29146499, 264905, 66712502, 264908, 265007, 265009, 60432229, 264593, 60431735, 60433356, 33109954, 33657084, 55811386, 87168474, 265010, 265011, 265018, 265019, 5581150, 264683, 264369, 264288, 264888, 21906765, 21906767, 21906768, 29148627, 21906769, 55811957, 265020, 265022, 33657182, 27486261, 18108370, 264628, 18108374, 55810764, 18108379, 55811576, 35696423, 35695855, 264630, 60431850, 263981, 18108382, 83373044, 18108385, 18108387, 60432113, 22279000, 264482, 264567 |

| | | | | | |
|------|-----------------------|--|--------------|--|---|
| 2284 | 95414955 (4567, 4568) | Novel Protein sim. GBank gij2498797ispjQ64311 PNAD_MOUSE - PROTEIN N- TERMINAL ASPARAGINE AMIDOHYDROLASE (PROTEIN NH2-TERMINAL ASPARAGINE DEAMIDASE) (NTN- AMIDASE) (PNAD) (PROTEIN NH2-TERMINAL ASPARAGINE AMIDOHYDROLASE) (PNAAL) | | | 60424178, 52644507, 18108394, 52646842, 22278994, 35696286, 22278996, 22278997, 22278999, 264259, 60432049, 29331822, 29331824, 29331825, 60432289, 29331826, 29331827, 35696052, 29331830, 52644045, 56182435, 33657402, 60433438, 33109954, 21906754, 85658542, 87168559, 265018, 265019, 55811150, 264682, 264369, 21906765, 21906766, 21906767, 21906768, 21906769, 55811957, 35695917, 265020, 265021, 60170615, 33657023, 33657182, 27486262, 27486264, 27486265, 18108376, 55810784, 35696423, 35695855, 60431850, 87168518, 60432113, 264482, 264564 35696052, 264905, 264907, 264908, 264909, 264512, 265009, 264910, 264595, 264760, 18108351, 264682, 264763, 264685, 264766, 264686, 264768, 264693, 264629, 35695855, 264631, 264634 |
| 2285 | 87781484 (4568, 4570) | Novel Protein sim. GBank gij3342234 (U93909) - nuclear antigen EBNA-1 [Cercopithecine herpesvirus 15] | collagen | | |
| 2286 | 87737825 (4571, 4572) | Novel Protein sim. GBank gij3873414 (U00043) - similar to D. melanogaster trihorax protein [Caenorhabditis elegans] | kinase | | 35696286, 58182435, 60170831, 264591, 60432229, 264592, 264593, 264594, 264595, 55812038, 264596, 87168474, 35695917, 264692, 55811576, 264555, 264557 264682 |
| 2287 | 82986696 (4573, 4574) | Novel Protein sim. GBank gij630905pirj S42731 - collagen alpha 1 chain - sea urchin (Hemicentrotus pulcherrimus) (fragment) | UNCLASSIFIED | Contains protein domain (PF01391) - Collagen triple helix repeat (20 copies) | |
| 2288 | 94133083 (4575, 4576) | Novel Protein sim. GBank gij28832ispjP39189 ALU2_HUMAN - IIII ALU SUBFAMILY SB WARNING ENTRY IIII | tm7 | | 22278995, 56994075, 22278997, 22278999, 264259, 60432289, 264508, 264512, 265008, 33657402, 265017, 265018, 265019, 18108351, 264448, 21906765, 21906766, 21906767, 21906768, 33657023, 264557, 22279000, 22279002 |
| 2289 | 88084133 (4577, 4578) | Novel Protein sim. GBank gij2887497 (AC004144) - R34001_1 [Homo sapiens] | kinase | Contains protein domain (PF00400) - WD domain, G-beta repeat | |
| 2290 | 88084137 (4579, 4580) | Novel Protein sim. GBank gij2887497 (AC004144) - R34001_1 [Homo sapiens] | UNCLASSIFIED | Contains protein domain (PF00400) - WD domain, G-beta repeat | 264683 |
| 2291 | 84295281 (4581, 4582) | Novel Protein sim. GBank gij3253120 (AC005175) - R31449_3 [Homo sapiens] | struct | | 18108394, 264907, 265006, 265009, 33109954, 52646317, 265010, 18108351, 264681, 264686, 264692, 18108370, 18108374, 18108385 |

| | | | | | |
|------|-----------------------|--|---|-------------------|--|
| 2292 | 94328834 (4583, 4584) | Novel Protein sim. GBank gij4803672[emb]CAB42643.1] - (AJ133769) nuclear transport receptor [Homo sapiens] | | UNCLASSIFIED | 56182575, 35696286, 56994075, 29331824, 29331825, 35696052, 56182435, 60433438, 55812038, 33109954, 87168474, 87168559, 265018, 18108351, 264763, 264448, 264369, 264288, 56181562, 264769, 21906765, 21906766, 21906767, 21906769, 265021, 265022, 33657023, 264693, 65274620, 33657109, 27486264, 264629, 55810764, 55811576, 35695855, 56182323, 56526486, 87168518, 22279000, 264567 |
| 2283 | 87759213 (4585, 4586) | Novel Protein sim. GBank gij3252981 (AF068921) - Ras-binding protein SUR-8 [Mus musculus] | Contains protein domain (PF00560) - struct Leucine Rich Repeat | | 264488, 18108397, 35696286, 264092, 264259, 29331822, 29331826, 264906, 264908, 264511, 264512, 265009, 264910, 18108351, 264764, 264369, 264288, 264685, 264766, 265020, 265022, 264534, 35696423, 264631, 264637, 18108381, 56182323, 264639, 18108385, 264404, 264563, 264565 |
| 2294 | 86693580 (4587, 4588) | Novel Protein sim. GBank gij2062680 (U88964) - HEM45 [Homo sapiens] | Contains protein domain (PF00929) - nuclease Exonuclease | nuclease | 22278997, 22278998, 22278999, 264259, 29331822, 60432289, 29331828, 35696052, 265018, 264684, 264288, 264686, 21906765, 21906766, 21906767, 21906768, 21906769, 265020, 265021, 264692, 33657109, 18108376, 35696423, 35695855, 264634, 22279000, 22279002, 264563, 264486 |
| 2295 | 95312200 (4589, 4590) | | | UNCLASSIFIED | 22278996, 60432289, 264682, 264683, 264689, 18108374 |
| 2296 | 80030781 (4591, 4592) | | | | 263974, 263978 |
| 2297 | 94321251 (4593, 4594) | Novel Protein sim. GBank gij5689501[dbj]BAA83034.1] - (AB029005) KIAA1082 protein [Homo sapiens] | | transcript factor | 264488, 65274572, 56182575, 22278997, 22278999, 264259, 29331822, 29331824, 29331826, 29331828, 35696052, 264907, 264908, 52644045, 56182435, 264112, 265006, 265007, 264910, 265009, 60433356, 33657402, 284595, 55812038, 21906754, 265011, 265018, 265019, 264448, 264764, 264288, 264766, 21906765, 21906767, 21906768, 21906769, 55811957, 265020, 265021, 264690, 264691, 33657023, 264692, 264693, 33657109, 55811576, 56182323, 60170394, 83373044, 18108385, 56526486, 264564, 264486 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 2298 | 95312207 (4595, 4596) | Novel Protein sim. GBank gi 3875051 emb CAB02849 - (281050) predicted using Genefinder; similar to collagen; cDNA EST EMBL:D65564 comes from this gene; cDNA EST EMBL:D69046 comes from this gene; cDNA EST yk366b12.3 comes from this gene; cDNA EST yk366b12.5 comes from this gene ... | | collagen | 60424179, 56181686, 22278995, 35696286, 22278998, 22278999, 264490, 264259, 29331822, 29331824, 66714117, 60424269, 35696052, 29331828, 66712502, 56182435, 264510, 265006, 60433438, 21908754, 33109954, 55811386, 285010, 265018, 55811150, 264762, 18108351, 264682, 264683, 264288, 264684, 264686, 264688, 56181562, 264689, 21908766, 21906767, 29148629, 55811957, 29148784, 35695917, 265020, 18108362, 33657023, 18108364, 33657109, 60431802, 18108370, 60431528, 18108374, 55810784, 35696423, 35695855, 264630, 264634, 60431850, 18108380, 56182323, 264558, 83373044, 18108385, 60432113, 22279000, 264482, 264567, 264486 |
| 2299 | 80193720 (4597, 4598) | | | UNCLASSIFIED | 264369 |
| 2300 | 94124346 (4599, 4600) | Novel Protein sim. GBank gi 2443886 (AC002294) - Unknown protein (Arabidopsis thaliana) | | | 264488, 22278996, 22278999, 264259, 29331824, 66714117, 35696052, 264509, 264905, 264906, 264907, 264908, 264909, 265008, 264910, 265009, 264758, 265010, 87168559, 284600, 265018, 264760, 264762, 18108351, 264764, 264766, 264768, 264769, 21906768, 21906767, 35695917, 265021, 264691, 33657023, 35695763, 18108370, 18108374, 35696423, 35695855, 264631, 264636, 264638, 18108385, 22279002, 264563 |
| 2301 | 91235725 (4601, 4602) | Novel Protein sim. GBank gi 2143637 pir I84505 - calcium-dependent actin-binding protein - rat | | struct | 264908, 264758, 265017, 21906765, 83373044, 264563 |
| 2302 | 88084141 (4603, 4604) | Novel Protein sim. GBank gi 2887497 (AC004144) - R34001_1 [Homo sapiens] | | UNCLASSIFIED | 52644045, 265019, 264288, 33657023, 18108370, 18108385 |
| 2303 | 94141439 (4605, 4606) | Novel Protein sim. GBank gi 4884184 emb CAB43220.1 - (AL049948) hypothetical protein [Homo sapiens] | Contains protein domain (PF00047) - Immunoglobulin domain | struct | 264259, 60432049, 264907, 264909, 264910, 60432229, 33657402, 265011, 265018, 264762, 264448, 264769, 264637, 264638, 83373044, 264486 |
| 2304 | 94840434 (4607, 4608) | Novel Protein sim. GBank gi 2494182 sp Q10005 YRY1_CAEEL - HYPOTHETICAL 39.9 KD PROTEIN T15H9.1 IN CHROMOSOME II PRECURSOR | | UNCLASSIFIED | 264259, 29331824, 21906767, 33657182, 33657349 |
| 2305 | 90935911 (4609, 4610) | Novel Protein sim. GBank gi 4972686 gb AAD34738.1 - (AF132150) unknown [Drosophila melanogaster] | | | 65274572, 22278996, 264908, 265006, 21906769, 264691, 264486 |

| | | | | | |
|------|-----------------------|---|---|------------------|--|
| 2306 | 95334940 (4611, 4612) | Novel Protein sim. GBank gi 4929565 gb AAD34043.1 AF15180 - (AF151806) CGI-48 protein [Homo sapiens] | Contains protein domain (PF00400) - WD domain, G-beta repeat | kinasereceptor | 264488, 22278995, 22278996, 35696286, 22278997, 22278998, 22278999, 264259, 29331822, 29331824, 29331825, 29331826, 29331827, 29331828, 35696052, 264508, 264905, 264907, 29331830, 264908, 264909, 264510, 265006, 264511, 265007, 264512, 265008, 265009, 33657402, 21906754, 85658542, 265010, 265011, 264601, 265017, 265018, 264604, 265019, 18108351, 264448, 264288, 264766, 264769, 21906765, 21906766, 21906767, 21906768, 29148629, 29148784, 35695917, 265020, 265021, 265022, 33657023, 264692, 18108370, 18108374, 18108376, 35696423, 35695855, 264630, 264634, 264635, 264636, 264637, 264638, 264639, 18108382, 18108385, 18108387, 264563, 264566, 264486 |
| 2307 | 79415283 (4613, 4614) | Novel Protein sim. GBank gi 4758732 ref NP_004522.1 pMOCS - molybdenum cofactor synthesis 2 | | UNCLASSIFIED | 264828 |
| 2308 | 87608409 (4615, 4616) | Novel Protein sim. GBank gi 4758732 ref NP_004522.1 pMOCS - molybdenum cofactor synthesis 2 | | synthase | 35696286, 264259, 29331822, 29331824, 264112, 264512, 264757, 21906754, 264288, 264690, 27486264, 264631, 264634, 264404, 18108397, 22278996, 22278997, 22278998, 22278999, 60432049, 29331822, 29331826, 60432289, 66712502, 60432229, 60433356, 60433438, 65274444, 265010, 264600, 264681, 264448, 264683, 264288, 21906766, 21906768, 265020, 264691, 264692, 264693, 65274620, 65274791 |
| 2309 | 95357218 (4617, 4618) | Novel Protein sim. GBank gi 3878059 emb CAB17070 - (Z99942) cDNA EST EMBL:D73444 comes from this gene; cDNA EST EMBL:D70905 comes from this gene; cDNA EST EMBL:D72208 comes from this gene; cDNA EST EMBL:D75030 comes from this gene; cDNA EST EMBL:D72944 comes from this gene; cDN... | | glycoprotein | 18108397, 22278996, 22278997, 22278998, 22278999, 60432049, 29331822, 29331826, 60432289, 66712502, 60432229, 60433356, 60433438, 65274444, 265010, 264600, 264681, 264448, 264683, 264288, 21906766, 21906768, 265020, 264691, 264692, 264693, 65274620, 65274791 |
| 2310 | 79601668 (4619, 4620) | Novel Protein sim. GBank gi 2137337 pir I48281 - gene mCBP protein - mouse | Contains protein domain (PF00013) - KH domain | UNCLASSIFIED | 264508 |
| 2311 | 87721189 (4621, 4622) | Novel Protein sim. GBank gi 2137337 pir I48281 - gene mCBP protein - mouse | Contains protein domain (PF00013) - KH domain | transcriptfactor | 18108397, 56182575, 22278996, 56994075, 264259, 29331824, 29331827, 264508, 264907, 56182435, 264510, 264511, 265006, 264512, 265007, 265008, 265009, 60433438, 33109954, 265010, 265011, 264603, 265017, 18108351, 264762, 264683, 264288, 264369, 264686, 33657023, 20281149, 20281069, 264628, 263972, 55811576, 35696423, 20281071, 264632, 264636, 18108385, 18108387, 87168518, 22279000, 264563, 264486 |

| | | | | | |
|------|-----------------------|---|--|--------------|--|
| 2312 | 87549681 (4623, 4624) | Novel Protein sim. GBank gij2911264 (AC002550) - Unknown gene product [Homo sapiens] | | | 56182575, 56994075, 35696286, 22278996, 22278997, 22278999, 264259, 29331822, 29331824, 29331825, 29331826, 29331827, 52644045, 60432229, 60433356, 55812038, 33109954, 21906754, 87168474, 265018, 18108351, 264288, 52644229, 21906765, 21906766, 21906767, 21906768, 21906769, 265022, 60170615, 33657023, 27486261, 27486264, 35696423, 35695855, 18108385, 22279000, 22279002 |
| 2313 | 80042533 (4625, 4626) | Novel Protein sim. GBank gij3043626[dbj BAA25477] - (AB011123) KIAA0551 protein [Homo sapiens] | | | 263981 |
| 2314 | 94313401 (4627, 4628) | Novel Protein sim. GBank gij5596714[emb CAB51401.1] - (AL035398) dJ796117.2 (CGI-51) [Homo sapiens] | | UNCLASSIFIED | 52644507, 52646365, 52646842, 22278996, 22278997, 22278999, 264259, 52645080, 29331822, 29331824, 60432289, 29331826, 29331827, 29331828, 35696052, 33656970, 52644045, 265008, 264593, 60433356, 60433438, 264758, 33109954, 265010, 265017, 265018, 265019, 264288, 264369, 21906765, 21906766, 21906768, 35695917, 52644150, 33657023, 33657109, 52645129, 33657349, 35695763, 18108374, 35696423, 35695855, 52644332, 22279000, 22279002, 264563, 264567 |
| 2315 | 80430119 (4629, 4630) | | | UNCLASSIFIED | 264905, 264906, 264767, 264768, 264693, 55811576, 264635, 56182323, 18108385 |
| 2316 | 94312191 (4631, 4632) | Novel Protein sim. GBank gij5531827[gb AAD44488.1] - (AF078856) p47 [Homo sapiens] | Contains protein domain (PF00789) - UBX domain | glycoprotein | 52644507, 52645156, 52646365, 22278994, 22278995, 22278996, 56994075, 35696286, 22278997, 22278998, 22278999, 264259, 29331822, 52645080, 29331824, 29331825, 29331826, 29331827, 35696052, 29331828, 264906, 264907, 29331830, 52644045, 56182435, 264511, 265007, 265008, 265009, 60170831, 60433438, 21906754, 52646317, 33109954, 33657084, 52644296, 87168474, 265010, 87168559, 265017, 265018, 265019, 264681, 264763, 264448, 264683, 264369, 52644229, 21906764, 264689, 21906765, 21906766, 21906767, 21906768, 21906769, 35695917, 265020, 265021, 52644150, 33657023, 18108362, 52645129, 33657182, 33657349, 35695763, 18108370, 18108376, 35696423, 35695855, 264631, 264556, 52644332, 83373044, 18108385, 18108387, 87168518, 60432113, 22279000, 264566, 264567 |

| | | | | | |
|------|-----------------------|--|---|---------------|--|
| 2317 | 87020571 (4633, 4634) | | | UNCLASSIFIED | 22278998, 60432049, 264910, 60432229, 264686, 264687, 264688, 264689, 264558, 18108385 |
| 2318 | 79959879 (4635, 4636) | | | UNCLASSIFIED | 265006, 264910 |
| 2319 | 95101781 (4637, 4638) | Novel Protein sim. GBank gi 5262613 emb CAB45746.1 - (AL080155) hypothetical protein [Homo sapiens] | | | 264488, 264569, 18108396, 52646365, 22278994, 22278995, 22278996, 56994075, 35696286, 22278997, 22278998, 264259, 52645080, 29331825, 29331826, 29331827, 29331828, 29331830, 56182435, 60170831, 60432229, 60431735, 33657402, 21908754, 52644296, 87168474, 265011, 87168559, 265017, 265018, 265019, 18108351, 264448, 18108354, 264288, 264369, 52644229, 21908764, 21908765, 21908766, 21908767, 21908768, 21908769, 265021, 265022, 52644150, 33657023, 52645129, 33657109, 27486264, 33657349, 35695763, 18108370, 18108376, 18108379, 35696423, 264558, 83373044, 18108385, 56526486, 87168518, 264564, 264565, 264566 |
| 2320 | 91622426 (4639, 4640) | Novel Protein sim. GBank gi 728637 sp P39194 ALU7_HUMAN - III ALU SUBFAMILY SQ WARNING ENTRY III | | kinase | 22278994, 60432049, 60432289, 29331827, 264511, 265008, 52646317, 265017, 265019, 21906765, 18108372, 18108387, 22279002 |
| 2321 | 94320377 (4641, 4642) | Novel Protein sim. GBank gi 3873837 emb CAB02700 - (Z81029) Similarity to S.pombe hypothetical protein C1D4.09C (SW:Q10154); cDNA EST EMBL:T00543 comes from this gene; cDNA EST EMBL:T01062 comes from this gene; cDNA EST EMBL:T01321 comes from this gene; cDNA EST EMBL:T02288 com... | | UNCLASSIFIED | 264488, 264687, 18108394, 264689, 21906765, 18108397, 18108398, 21906767, 21906768, 65274791, 22278995, 35695855, 22278998, 265021, 265022, 264510, 265006, 264511, 264512, 265008, 60170615, 264555, 264636, 264556, 18108361, 264259, 60432229, 33657023, 264557, 264558, 264693, 60433356, 264559, 60433438, 29331824, 18108365, 18108348, 18108384, 29331825, 18108385, 33109954, 29331827, 56526486, 29146499, 265011, 60433213, 265017, 265018, 264508, 264563, 264482, 264509, 18108351, 264448, 264907, 264682, 18108370, 264683, 264908, 264288, 264909, 18108354, 264486, 264567 |
| 2322 | 87803165 (4643, 4644) | Novel Protein sim. GBank gi 5678957 emb CAB51685.1 - (AL109630) BACR7A4.y [Drosophila melanogaster] | Contains protein domain (PF00106) - short chain dehydrogenase | dehydrogenase | 22278996, 264907, 264511, 264757, 18108351, 264768, 264638 |

| | | | | |
|------|-----------------------|--|---|--|
| 2323 | 94840445 (4645, 4646) | Novel Protein sim. GBank gij12494162[sp]Q10005[YRY1_CAEEL - HYPOTHETICAL 39.9 KD PROTEIN T15H9.1 IN CHROMOSOME II PRECURSOR | Contains protein domain (PF00226) - eph DnaJ domain | 22278994, 22278995, 22278997, 60432049, 264259, 29331822, 33656970, 264509, 56182435, 264511, 265008, 60433356, 60433438, 55812038, 33109954, 21906754, 85658542, 87168474, 265011, 87168559, 265017, 265019, 264760, 264681, 18108351, 264369, 264288, 18108355, 264687, 264688, 21906765, 21906767, 21906768, 55811957, 35695917, 265021, 33657023, 18108362, 27486262, 55811576, 264631, 264555, 83373044, 87168518, 60432113, 22279002 264592, 264593, 265020 265020 |
| 2324 | 86533607 (4647, 4648) | Novel Protein sim. GBank gij15419865[emb]CAB46377.1] - (AL096732) hypothetical protein [Homo sapiens] | ATPase-associated | |
| 2325 | 88165074 (4649, 4650) | Novel Protein sim. GBank gij231885[sp]P29981[CP4C_BLADI - CYTOCHROME P450 4C1 (CYP1VC1)] | Contains protein domain (PF00067) - Cytochrome P450 | 265006, 264759, 35695855, 56182323 |
| 2326 | 84390962 (4651, 4652) | Novel Protein sim. GBank gij231885[sp]P29981[CP4C_BLADI - CYTOCHROME P450 4C1 (CYP1VC1)] | UNCLASSIFIED | |
| 2327 | 88081648 (4653, 4654) | Novel Protein sim. GBank gij14240227[dbj]BAA74892.1] - (AB020678) KIAA0869 protein [Homo sapiens] | UNCLASSIFIED | 264259, 264508, 264905, 264906, 264907, 264908, 265007, 264512, 264910, 264758, 265010, 264766, 264768, 264769, 33657023, 264693, 264628, 264631, 264634, 264638, 264639, 264486 |
| 2328 | 83388428 (4655, 4656) | Novel Protein sim. GBank gij1245105 (U46463) - glutamine repeat protein-1 [Mus musculus] | UNCLASSIFIED | 60433438, 264595, 265017, 264766, 264692, 264629, 264635, 264636, 264638, 56182323, 60432113, 264566 |
| 2329 | 87604478 (4657, 4658) | Novel Protein sim. GBank gij1169343[sp]P42209[DIF6_MOUSE - DIFF6 PROTEIN | Contains protein domain (PF00735) - Cell division protein | 265017, 264685, 60432113, 264088 265009 |
| 2330 | 87335396 (4659, 4660) | Novel Protein sim. GBank gij15679136[gb]AAD46874.1]AF16093 - (AF160934) BcDNA.LD14189 [Drosophila melanogaster] | UNCLASSIFIED | |
| 2331 | 86990463 (4661, 4662) | Novel Protein sim. GBank gij2104452[emb]CAB08779] - (Z95397) unknown [Schizosaccharomyces pombe] | transport | |
| 2332 | 87784182 (4663, 4664) | Novel Protein sim. GBank gij3879985[emb]CAA92691.1] - (Z68318) cDNA EST CEMSD62F comes from this gene; cDNA EST EMBL.C07930 comes from this gene; cDNA EST EMBL.C09493 comes from this gene; cDNA EST yk415e8.3 comes from this gene; cDNA EST yk415e8.5 comes from this gene; cDNA EST... | ATPase-associated | 35696286, 22278998, 29331824, 60424269, 265006, 265008, 265018, 264448, 264764, 21906765, 35695917, 35695855, 264636, 22279000, 264566 |
| 2333 | 88206958 (4665, 4666) | Novel Protein sim. GBank gij4966270[gb]AAB52261.2] - (U97002) similar to acyl-CoA dehydrogenases and epoxide hydrolases; Pfam domain PF00441 (Acyl-CoA_dh), Score=57.4, E-value=1.7e-16, N=2; contains similarity to Pfam domain PF00702 (Hydrolase), Score=57.4, E- value=1e-13, N=1 [C... | UNCLASSIFIED | 56182575, 56994075, 29331826, 29331828, 264107, 33657402, 87168559, 264683, 35695917, 265021, 33657023, 263976 |
| 2334 | 94319788 (4667, 4668) | Novel Protein sim. GBank gij4966270[gb]AAB52261.2] - (U97002) similar to acyl-CoA dehydrogenases and epoxide hydrolases; Pfam domain PF00441 (Acyl-CoA_dh), Score=57.4, E-value=1.7e-16, N=2; contains similarity to Pfam domain PF00702 (Hydrolase), Score=57.4, E- value=1e-13, N=1 [C... | Contains protein domain (PF00441) - Acyl-CoA dehydrogenase | 56182575, 29331825, 21906768, 264636, 83373044 |

| | | | | |
|------|-----------------------|--|---|--|
| 2335 | 80046103 (4669, 4670) | Novel Protein sim. GBank gij3283350 (AF062378) - calmodulin-binding protein SHA1 [Mus musculus] | Contains protein domain (PF00612) - struct IQ calmodulin-binding motif | 18108351, 21906769, 264555 |
| 2336 | 95196121 (4671, 4672) | Novel Protein sim. GBank gij1929056[emb]CAA728051 - (Y12090) putative 3,4-dihydroxy-2-butanone kinase [Lycopersicon esculentum] | kinase | 264907, 35695917, 18108379 |
| 2337 | 95345810 (4673, 4674) | Novel Protein sim. GBank gij4495063[emb]CAB39181.11 - (Z85986) dJ108K11.3 (similar to yeast suppressor protein SRP40) [Homo sapiens] | UNCLASSIFIED | 35696286, 22278999, 56182181, 29331825, 60424269, 56182435, 33657402, 55812038, 55811386, 265017, 265018, 265019, 21906788, 35695917, 264691, 33657023, 33657109, 263972, 35696423, 35695855, 60432113 |
| 2338 | 87634045 (4675, 4676) | Novel Protein sim. GBank gij2224689[dbj]BAA208291 - (AB002372) KIAA0374 [Homo sapiens] | Contains protein domain (PF00323) - Mammalian defensin | 18108394, 29331822, 66714117, 60432289, 264906, 56182435, 265009, 60433438, 264596, 265010, 265019, 18108354, 264288, 264369, 55811957, 265021, 33657023, 263976, 55811576, 264632, 56182323, 264639 |
| 2339 | 85663319 (4677, 4678) | Novel Protein sim. GBank gij3873550[emb]CAA221271 - (AL033534) serine-rich protein [Schizosaccharomyces pombe] | UNCLASSIFIED | 35696286, 264592, 264369, 264891, 264558 |
| 2340 | 90937716 (4679, 4680) | | | 65274572, 22278994, 35696286, 22278997, 22278999, 264259, 29331822, 60432289, 29331826, 29331830, 265009, 33657402, 33109954, 265017, 265018, 264766, 264665, 21906769, 35695917, 264691, 264692, 35696423, 87168518, 22279000 |
| 2341 | 8775281 (4681, 4682) | | | 264259, 264908, 264909, 264882, 22279000 |
| 2342 | 95334968 (4683, 4684) | Novel Protein sim. GBank gij3874563[emb]CAB027971 - (Z81042) similar to Yeast hypothetical protein YEG6 like; cDNA EST yk206h5.3 comes from this gene; cDNA EST yk206h5.5 comes from this gene; cDNA EST yk303h1.3 comes from this gene; cDNA EST yk303h1.5 comes from this gene; cDNA ... | Contains protein domain (PF00400) - kinase WD domain, G-beta repeat | 264488, 65274572, 22278995, 22278996, 22278997, 22278998, 22278999, 60432049, 264259, 29331822, 29331824, 29331825, 66714117, 29331826, 60432289, 35696052, 264905, 264509, 29331830, 265006, 60170831, 60432229, 60433356, 87168474, 265017, 265018, 265019, 264448, 264369, 264288, 21906765, 21906766, 55811957, 35695917, 265020, 265022, 52644150, 33657023, 65274620, 33657109, 18108370, 18108376, 55810764, 35696423, 55811576, 264556, 264558, 18108385, 60432113, 264563, 264564, 264565, 264566, 264567, 264907, 264512, 265011, 264683 |
| 2343 | 87775448 (4685, 4686) | Novel Protein sim. GBank gij4929741[gb]AAD34131.1(AF15189) CGI-136 protein [Homo sapiens] | UNCLASSIFIED | |
| 2344 | 79953198 (4687, 4688) | | UNCLASSIFIED | 264758 |
| 2345 | 94319799 (4689, 4690) | Novel Protein sim. GBank gij2506307[sp]P13944[CA]C_CHICK - COLLAGEN ALPHA 1(XII) CHAIN PRECURSOR (FIBROCHIMERIN) | Contains protein domain (PF00092) - von Willebrand factor type A domain | 264488, 264259, 66712502, 264759, 83373044, 264566 |

| | | | | | |
|------|-----------------------|--|---|---------------|--|
| 2346 | 94131820 (4691, 4692) | Novel Protein sim. GBank gij1255411 (U53153) - one short region of weak similarity to S. cerevisiae protease A inhibitor 3 (SP.P01094) and another short region of weak similarity to S. cerevisiae glucose repression mediator protein (SP.P14922) [Caenorhabditis elegans] | Contains protein domain (PF00515) - TPR Domain | proteaseinhib | 35696286, 22278998, 264259, 35696052, 29331828, 33657402, 60433356, 33109954, 87188559, 264603, 265019, 18108351, 264681, 264685, 21906766, 265021, 33657109, 55811576, 35695855, 264637, 52644332, 264557, 83373044, 22279000, 22279002 |
| 2347 | 85330367 (4693, 4694) | | | | 22278997, 264511, 264683, 264684, 264768, 264687, 264688, 264691, 264692, 55811576 |
| 2348 | 95196133 (4695, 4696) | Novel Protein sim. GBank gij1929056[embjCAA72805] - (Y12090) putative 3,4-dihydroxy-2-butanone kinase [Lycopodium obscurum] | | kinase | 18108394, 35696286, 264259, 35696052, 264508, 264509, 264905, 264906, 264907, 264908, 264909, 264510, 264511, 265006, 265007, 264512, 265008, 265009, 264910, 264591, 264592, 264593, 264594, 264757, 264595, 264596, 264758, 265011, 264601, 264762, 18108351, 264764, 264288, 264766, 264768, 264689, 35695917, 264693, 264628, 18108370, 264629, 18108374, 35696423, 264631, 264635, 264636, 264637, 264638, 264639, 83373044, 18108385, 264557, 264486 |
| 2349 | 87776502 (4697, 4698) | Novel Protein sim. GBank gij4884106[embjCAB43254.1] - (AL050082) hypothetical protein [Homo sapiens] | | | 35696052, 29146499, 264909, 264369 |
| 2350 | 88260594 (4699, 4700) | | | | |
| 2351 | 86968042 (4701, 4702) | Novel Protein sim. GBank gij728832[spP39189]ALU2_HUMAN - !!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!! | | kinase | 22278998, 22278999, 264259, 29331822, 29331824, 29331825, 29331827, 29331828, 33109954, 21906754, 265010, 87188559, 265018, 265019, 264761, 264681, 264288, 18108357, 21906766, 21906767, 264691, 264692, 35695855, 87168518, 22279000, 22279002, 264482 |
| 2352 | 87337196 (4703, 4704) | Novel Protein sim. GBank gij731637[spP38760]YHH5_YEAST - HYPOTHETICAL 75.9 KD PROTEIN IN SPO13-ARG4 INTERGENIC REGION | Contains protein domain (PF00076) - RNA recognition motif. (a.k.a. RRM, RBD, or RNP domain) | UNCLASSIFIED | 264259, 264448 |
| 2353 | 91638784 (4705, 4706) | Novel Protein sim. GBank gij1346955[spP48809]RB27_DROME - HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN 27C (HNRNP 48) (HRP48.1) | Contains protein domain (PF00076) - RNA recognition motif. (a.k.a. RRM, RBD, or RNP domain) | dna_ma_bind | 29331826, 55812038, 265019, 264692, 264636 |
| 2354 | 87337199 (4707, 4708) | Novel Protein sim. GBank gij731637[spP38760]YHH5_YEAST - HYPOTHETICAL 75.9 KD PROTEIN IN SPO13-ARG4 INTERGENIC REGION | Contains protein domain (PF00076) - RNA recognition motif. (a.k.a. RRM, RBD, or RNP domain) | UNCLASSIFIED | 29331824, 264908, 265006, 265008 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 2355 | 91638786 (4709, 4710) | Novel Protein sim. GBank glj4938503[emb]CAB43861.1] - (AL078465) hnRNP-like protein [Arabidopsis thaliana] | Contains protein domain (PF00076) - RNA recognition motif. (a.k.a. RRM, RBD, or RNP domain) | dna_rna_bind | 56994075, 22278996, 35696286, 22278999, 264259, 29331825, 29331826, 29331828, 29146498, 264905, 264908, 265008, 264758, 87168474, 265010, 265017, 264887, 21906765, 21906767, 21906769, 264691, 264692, 263967, 18108370, 87168518, 22279000 |
| 2356 | 95327688 (4711, 4712) | Novel Protein sim. GBank glj5138920[gb]AAD40377.1] - (AF092135) PTD014 [Homo sapiens] | | | 52644507, 22278995, 35696286, 22278996, 22278997, 22278998, 22278999, 264259, 29331824, 66714117, 29331825, 60432289, 35696052, 29331828, 264908, 66712502, 264512, 265007, 265008, 60170831, 60432229, 60433356, 60433438, 264758, 52646317, 33109954, 21906754, 55811386, 87168474, 265017, 265018, 264605, 265019, 264681, 264682, 264448, 264369, 264288, 264686, 264768, 21906765, 21906766, 21906767, 21906768, 21906769, 265021, 60170815, 33657109, 27486264, 35695763, 55810764, 18108379, 35696423, 55811576, 35695855, 60170394, 56182323, 83373044, 18108385, 56526486, 264404, 60432113, 22279000, 264482, 264563, 264566, 264486, 264567 |
| 2357 | 87775458 (4713, 4714) | Novel Protein sim. GBank glj4929741[gb]AAD34131.1]AF15189 - (AF151894) CGI-136 protein [Homo sapiens] | | UNCLASSIFIED | 264488, 264769, 18108394, 264259, 29331822, 18108370, 18108374, 264510, 265017, 264482, 264563, 264762, 264565, 264566, 264369, 18108354 |
| 2358 | 87777078 (4715, 4716) | Novel Protein sim. GBank glj4218005 (AC006135) - putative vicilin storage protein (globulin-like) [Arabidopsis thaliana] | | UNCLASSIFIED | 22278997, 22278999, 264509, 264905, 264592, 18108351, 264681, 264682, 264769, 32833986, 18108374, 264556, 18108385, 264482 |
| 2359 | 87755859 (4717, 4718) | Novel Protein sim. GBank glj1086830 (U41264) - coded for by C. elegans cDNA yk20f8.5; coded for by C. elegans cDNA yk44g1.5; coded for by C. elegans cDNA yk12b7.5; coded for by C. elegans cDNA yk39g6.5; coded for by C. elegans cDNA yk20f8.5; coded for by C. elegans cDNA yk18g12... | | UNCLASSIFIED | 35696286, 22278998, 264905, 264511, 265007, 265008, 60433438, 264288, 264686, 21906769, 265020, 264692, 35695855, 264558, 56526486, 264563 |
| 2360 | 80046125 (4719, 4720) | Novel Protein sim. GBank glj3881545[emb]CAA93779] - (Z69904) cDNA EST yk428d5.3 comes from this gene; cDNA EST yk428d5.5 comes from this gene [Caenorhabditis elegans] | | UNCLASSIFIED | 22278997, 29331826, 263981, 22279000 |
| 2361 | 94232181 (4721, 4722) | Novel Protein sim. GBank glj746487 (U23514) - No definition line found [Caenorhabditis elegans] | | | 22278995, 22278999, 264512, 265009, 264757, 21906765, 65274620, 18108370, 60431528, 18108374, 264635, 60170394, 264482 |

| | | | | | |
|------|-----------------------|---|--|--------------|--|
| 2362 | 91721193 (4723, 4724) | Novel Protein sim. GBank gii1171093 sp P19706 MYSB_ACACA - MYOSIN HEAVY CHAIN IB (MYOSIN HEAVY CHAIN II) | | UNCLASSIFIED | 22278989, 264259, 29331822, 29331824, 60432289, 264509, 264512, 60432229, 60433356, 264448, 264682, 264683, 264369, 21906765, 21906768, 21906769, 60432113, 22279000, 22279002 |
| 2363 | 95006635 (4725, 4726) | Novel Protein sim. GBank gii854065 emb CAA58337 - (X83413) U88 [Human herpesvirus 6] | | UNCLASSIFIED | 264907, 264629, 264635 |
| 2364 | 94827104 (4727, 4728) | Novel Protein sim. GBank gii5639830 gb AAD45886.1 AF14601 - (AF146018) hydroxypyruvate reductase [Homo sapiens] | Contains protein domain (PF00389) - D-isomer specific 2-hydroxyacid dehydrogenases | reductase | 264488, 18108394, 264887, 18108398, 22278996, 56994075, 35696286, 22278997, 22278998, 264259, 66714117, 29331825, 35696052, 264509, 264905, 264906, 264907, 264908, 66712502, 264909, 264511, 265006, 264512, 265007, 265008, 33657402, 264758, 21906754, 87168474, 265010, 87168559, 264603, 265017, 265018, 265019, 264760, 264762, 18108351, 264448, 264764, 264683, 264684, 264288, 18108355, 264766, 18108358, 264689, 18108359, 21906765, 21906766, 21906767, 35695917, 265020, 265021, 265022, 60170615, 52644150, 264691, 33657023, 264692, 18108364, 33657109, 18108368, 18108370, 18108374, 35696423, 35695855, 264635, 264556, 264557, 264639, 60170394, 83373044, 18108383, 18108384, 18108385, 18108388, 56526486, 264482, 264564, 264486 |
| 2365 | 94140746 (4729, 4730) | Novel Protein sim. GBank gii1840045 (U49082) - transporter protein [Homo sapiens] | | transport | 22278996, 22278998, 22278999, 264907, 264909, 264910, 33657402, 264758, 264600, 264766, 264687, 264689, 21906765, 21906767, 21906768, 21906769, 265021, 33657023, 33657109, 83373044, 264566 |
| 2366 | 94312388 (4731, 4732) | | | UNCLASSIFIED | 52644507, 264259, 29331824, 29331825, 29331826, 29331827, 29331828, 264907, 29331830, 264909, 264511, 265008, 33657402, 264595, 52646317, 265017, 265018, 265019, 264605, 264685, 264766, 264689, 21906766, 21906769, 35695917, 265020, 265021, 265022, 52644150, 35695855, 52644332, 18108385, 18108387, 264564, 264566 |
| 2367 | 94140910 (4733, 4734) | Novel Protein sim. GBank gii1065457 (U40410) - C54G7.4 gene product [Caenorhabditis elegans] | Contains protein domain (PF00400) - WD domain, G-beta repeat | UNCLASSIFIED | 35696286, 21906768, 55810764, 65274791, 264567 |
| 2368 | 94322190 (4735, 4736) | | | | 264628 |

| | | | | | |
|------|-----------------------|---|--|---------------------|--|
| 2369 | 94314334 (4737, 4738) | Novel Protein sim. GBank gl 5360901 dbj BAA82158.1 - (AB029343) a-helix coiled-coil rod homologue [Homo sapiens] | | | 52644507, 52646842, 35696286, 264092, 264094, 52645080, 35696052, 264107, 29331830, 52644045, 265006, 265007, 265009, 52644296, 52644229, 264689, 21906765, 21906768, 35695917, 265020, 52644150, 263967, 33657109, 27486265, 35695763, 18108370, 263974, 18108374, 18108376, 52644332, 263981, 18108385 |
| 2370 | 79804120 (4739, 4740) | | | UNCLASSIFIED | 264508, 264909, 264596 |
| 2371 | 57280408 (4741, 4742) | | | | 264369 |
| 2372 | 87642413 (4743, 4744) | | | UNCLASSIFIED | 263967, 263981 |
| 2373 | 87418611 (4745, 4746) | Novel Protein sim. GBank gl 4589582 dbj BAA76813.1 - (AB023186) KIAA0969 protein [Homo sapiens] | | UNCLASSIFIED | 29331826, 265010, 265019, 35695917, 264634, 60432113 |
| 2374 | 94123665 (4747, 4748) | Novel Protein sim. GBank gl 5105131 dbj BAA80445.1 - (AP000061) 246aa long hypothetical ribonuclease PH [Aeropyrum pernix] | Contains protein domain (PF01138) - 3' exonuclease family | UNCLASSIFIED | 265006, 265007, 265008, 265009, 265011, 264766, 35695917, 35695855, 263981, 264557, 264565 |
| 2375 | 87731355 (4749, 4750) | Novel Protein sim. GBank gl 1351115 sp P47758 SRPB_MOUSE - SIGNAL RECOGNITION PARTICLE RECEPTOR BETA SUBUNIT (SR-BETA) | | UNCLASSIFIED | 60432049, 29331824, 264907, 52644045, 264512, 60433356, 21906754, 52644296, 87168559, 264448, 21906765, 21908768, 21906769, 33657023, 18108368, 55811576, 52644332 |
| 2376 | 87613744 (4751, 4752) | Novel Protein sim. GBank gl 2645435 (AF007780) - CHD3 [Drosophila melanogaster] | Contains protein domain (PF00628) - PHD-finger | - ATPase_associated | 264259, 29331830, 264909, 264910, 265009, 60433438, 21906754, 265017, 265018, 265019, 264682, 264685, 21906767, 263972, 35695855, 87168518, 60432113 |
| 2377 | 95319889 (4753, 4754) | Novel Protein sim. GBank gl 5257005 gb AAD41239.1 - (AF083249) Rb binding protein homolog [Homo sapiens] | Contains protein domain (PF01388) - ARID DNA binding domain | UNCLASSIFIED | 18108394, 65274572, 22278997, 22278999, 264095, 29331822, 29147620, 29331824, 66714117, 29331825, 29331826, 29331828, 33656970, 29146498, 29146499, 264509, 265006, 265007, 265008, 265009, 60170831, 265010, 265011, 265018, 55811150, 18108351, 264764, 264288, 21906767, 21906768, 29148627, 29148629, 265021, 33657023, 33657109, 18108370, 18108374, 18108379, 35696423, 264556, 83373044, 18108385, 18108388, 56526486, 22279000, 22279002, 264563 |
| 2378 | 94137032 (4755, 4756) | Novel Protein sim. GBank gl 1072198 (U40942) - No definition line found [Caenorhabditis elegans] | | UNCLASSIFIED | 65274572, 56182575, 35696286, 264259, 29331822, 29331824, 66714117, 29331825, 29331826, 60432289, 29331827, 56182435, 264510, 265009, 60433356, 87168474, 265011, 265018, 264288, 21906765, 33657023, 264557, 56182323, 83373044, 18108385, 22279002, 264482 |
| 2379 | 65444324 (4757, 4758) | Novel Protein sim. GBank gl 3337357 (AC004481) - hypothetical protein [Arabidopsis thaliana] | Contains protein domain (PF00400) - WD domain, G-beta repeat | - kinase | 265017, 264288, 21906768 |

| | | | | | |
|------|-----------------------|--|--|--------------|--|
| 2380 | 86923082 (4759, 4760) | Novel Protein sim. GBank gi 4502939 ref NP_001845.1 pCOL1 - collagen, type XI, alpha 1 | Contains protein domain (PF01410) - Fibrillar collagen C-terminal domain | collagen | 264908, 264910, 265011 |
| 2381 | 87608241 (4761, 4762) | Novel Protein sim. GBank gi 4455609 emb CAB36555 - (AL031846) dJ742C19.5 (novel Chromobox protein) [Homo sapiens] | Contains protein domain (PF00385) - 'chromo' (CHR)romatin Organization MOfifier domain | helicase | 56182575, 264091, 264093, 264259, 29331825, 264105, 264906, 60433356, 21906754, 265017, 265019, 264683, 264288, 264685, 264686, 264687, 264691, 264692, 264693, 55811576, 264636, 264567 29331824, 60432289, 264905, 264596, 21906754, 264769, 265022, 264693, 263967, 33657109, 264629, 264631, 264558, 83373044, 60432113, 264482 265009, 21906765, 21906766 |
| 2382 | 91225982 (4763, 4764) | Novel Protein sim. GBank gi 4325130 gb AAD17276 - (AF119716) dmi-2 protein [Drosophila melanogaster] | Contains protein domain (PF00628) - PHD-finger | transport | |
| 2383 | 87442841 (4765, 4766) | Novel Protein sim. GBank gi 1902982 dbj BAA19005 - (D89049) lectin-like oxidized LDL receptor [Bos taurus] | Contains protein domain (PF00059) - Lectin C-type domain | glycoprotein | |
| 2384 | 95354766 (4767, 4768) | Novel Protein sim. GBank gi 2462851 (AF016252) - Spinophilin [Rattus norvegicus] | Contains protein domain (PF00595) - PDZ domain (Also known as DHR or GLGF) | struct | 264488, 52644507, 52645156, 52646365, 35696286, 22278999, 52645080, 29331824, 29331826, 35696052, 29331828, 264906, 264828, 52644045, 265006, 265008, 265009, 33109954, 33657084, 52644296, 265011, 265017, 265018, 264683, 52644229, 21906765, 21906767, 21906768, 265020, 52644150, 33657023, 264693, 65274620, 52645129, 33657109, 33657182, 27486261, 27486262, 27486264, 33657349, 27486265, 35695763, 18108374, 35695855, 264634, 264555, 264556, 264557, 52644332, 264558, 264559, 18108385, 22279000, 22279002 264488, 52644507, 52645156, 264887, 52646365, 22278995, 22278996, 22278997, 22278999, 264259, 52645080, 29331822, 29331826, 35696052, 52644045, 265006, 265007, 265008, 265009, 264910, 60432229, 60433356, 52646317, 21906754, 265019, 264448, 264683, 264686, 264687, 264689, 21906765, 21906766, 21906767, 21906769, 55811957, 265021, 265022, 264690, 264691, 264692, 65274620, 33657109, 18108370, 264631, 52644332, 22279000, 22279002, 264563, 264565, 264567 264488, 22278995, 22278996, 22278997, 264259, 29146498, 264112, 264511, 60170831, 60432229, 264595, 60433438, 87168474, 87168559, 264682, 21906765, 21906766, 21906767, 21906769, 29148629, 35695917, 265021, 264690, 33657109, 264628, 18108376, 83373044, 60432113, 22279000, 264564, 264566, 264487 |
| 2385 | 95419485 (4769, 4770) | | | UNCLASSIFIED | |
| 2386 | 94742649 (4771, 4772) | Novel Protein sim. GBank gi 4929699 gb AAD34110.1 AF15187 - (AF151873) CGI-115 protein [Homo sapiens] | | glycoprotein | |

| | | | | | |
|------|-----------------------|--|--|--------------|---|
| 2387 | 14997990 (4773, 4774) | | | UNCLASSIFIED | 264634 |
| 2388 | 11424604 (4775, 4776) | | | UNCLASSIFIED | 264595 |
| 2389 | 95310650 (4777, 4778) | Novel Protein sim. GBank gi 4758058 ref NP_004372.1 pCREB - cAMP responsive element binding protein-like 1 | Contains protein domain (PF00170) - bZIP transcription factor | dna_na_bind | 264488, 22278998, 22278999, 264509, 264905, 264906, 264907, 264908, 264909, 265006, 264511, 264512, 264910, 264591, 21906754, 264601, 264604, 264761, 18108351, 264764, 264288, 264766, 264768, 264769, 21906765, 21906768, 264692, 264693, 35696423, 264635, 264636, 264555, 83373044, 22279000, 264486 |
| 2389 | 94320912 (4779, 4780) | Novel Protein sim. GBank gi 1644239 dbj BAA12223 - (D84103) mitochondrial DNA polymerase gamma [Homo sapiens] | Contains protein domain (PF00476) - DNA polymerase family A | polymerase | 52644507, 56182575, 22278995, 35696286, 22278996, 22278997, 22278999, 29331822, 29331825, 29331826, 35696052, 264905, 52644045, 265009, 264758, 264759, 33109954, 52644296, 85658542, 265011, 265017, 265018, 264605, 52644229, 21906765, 21906767, 21906768, 21906769, 35695917, 52644150, 33657023, 33657109, 33657349, 35695763, 18108370, 18108374, 18108376, 35696423, 35695855, 264555, 52644332, 56182323, 60170394, 83373044, 56526486 |
| 2391 | 80036194 (4781, 4782) | | | UNCLASSIFIED | 263976 |
| 2392 | 94245016 (4783, 4784) | Novel Protein sim. GBank gi 4240169 dbj BAA74863.1 - (AB020647) KIAA0840 protein [Homo sapiens] | Contains protein domain (PF00560) - Leucine Rich Repeat | nuclease | 35696286, 35696052, 264508, 264905, 264509, 264906, 264907, 264908, 264909, 264510, 264511, 264512, 264910, 265009, 264591, 264758, 264600, 264604, 264762, 264448, 264764, 264369, 264766, 264768, 264769, 264689, 35695917, 264629, 18108374, 263978, 35696423, 35695855, 264631, 264634, 264635, 264636, 264637, 264638, 60170394, 264639, 264565, 264486 |

| | | | | | |
|------|-----------------------|---|---|---------------|---|
| 2393 | 95302833 (4785, 4786) | Novel Protein sim. GBank gi 4506867 ref NP_000993.1 pRPLP - ribosomal protein, large, P0 | Contains protein domain (PF00466) - Ribosomal protein L10 | ribosomalprot | 18108392, 60424179, 264489, 18108394, 18108397, 22278995, 56994075, 35696286, 22278996, 22278997, 22278999, 264093, 60432049, 264259, 29331822, 29147620, 20281099, 29331824, 29331825, 66714117, 60432289, 29331826, 29331827, 29331828, 35696052, 29146499, 264508, 264509, 264905, 264907, 264908, 66712502, 52644045, 264828, 264809, 56182435, 264112, 264113, 264510, 265006, 264511, 265007, 265008, 265009, 264910, 264591, 264593, 60433356, 264595, 60433438, 52646317, 33109954, 21908754, 55811386, 265010, 265011, 265017, 265018, 265019, 264681, 264762, 18108351, 264763, 264682, 264764, 264683, 264369, 264288, 18108354, 264766, 264686, 264687, 264688, 264689, 18108359, 21908765, 21908766, 21908767, 21908768, 21908769, 55811957, 29148629, 29148784, 35695917, 265021, 265022, 33657023, 264692, 264693, 18108364, 33657109, 18108368, 27486261, 27486262, 33657349, 35695763, 18108370, 263972, 264629, 18108374, 263977, 18108376, 263978, 55810764, 35696423, 35695855, 264634, 60431850, 264555, 264637, 264557, 263981, 264558, 18108381, 60170394, 35696286, 22278997, 22278998, 56182181, 35696052, 265008, 264592, 55811386, 265010, 265011, 265017, 265019, 264448, 264683, 264288, 21908765, 21908768, 21908769, 55811957, 35695917, 35657023, 65274620, 33657182, 33657349, 35695763, 18108374, 18108376, 55810764, 55811576, 35696423, 60170394, 18108385, 264564, 264556, 264567 |
| 2394 | 94323266 (4787, 4788) | Novel Protein sim. GBank gi 4159888 (AC004908) - zinc finger protein from gene of uncertain exon structure, similar to Q99676 (P1D:G3025333) [Homo sapiens] | Contains protein domain (PF00096) - Zinc finger, C2H2 type | dna_ma_bind | |
| 2395 | 95287212 (4789, 4790) | Novel Protein sim. GBank gi 5712758 gb AAD47636.1 AF16079 - (AF160798) calcium transporter CaT1 [Rattus norvegicus] | | dna_ma_bind | 264259, 29331824, 264910, 264288, 265021, 83373044, 18108387, 264563, 264566 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 2396 | 95096700 (4791, 4792) | Novel Protein sim. GBank gll106322[pir][B34087] - hypothetical protein (L1H 3' region) - human | Contains protein domain (PF00560) - Leucine Rich Repeat | nuclease | 52645365, 18108397, 56182575, 35696286, 22278997, 22278999, 60432049, 264259, 29331822, 29331824, 29331825, 29331826, 29331827, 29331828, 264106, 264907, 29331830, 68712502, 264110, 60170831, 264591, 33657402, 60433438, 55812038, 33109954, 21906754, 33657084, 87168474, 265017, 265018, 265019, 264760, 264448, 264288, 264766, 52644229, 21906766, 21906767, 265020, 265021, 60170615, 264692, 33657023, 65274620, 52645129, 33657182, 27486262, 27486264, 27486265, 264629, 18108374, 35698423, 35695855, 264631, 264556, 52644332, 264558, 83373044, 18108388, 87168518, 22279002, 264482 |
| 2397 | 87280854 (4793, 4794) | | | | 52644507, 52645156, 56182575, 264259, 29147620, 264905, 264907, 264908, 264909, 264910, 264758, 52644296, 264603, 264604, 264762, 264681, 264764, 18108357, 264769, 21906768, 264693, 264628, 264635, 264638, 264539, 264564 |
| 2398 | 88047689 (4795, 4796) | Novel Protein sim. GBank gll3258609 (AC005176) - H53_GS1 [Homo sapiens] | | UNCLASSIFIED | |
| 2399 | 87738965 (4797, 4798) | Novel Protein sim. GBank gll786117 (L41834) - nuclear protein [Ensis minor] | | UNCLASSIFIED | 56994075, 22278997, 22278998, 22278999, 264259, 29331822, 29331824, 66714117, 60432289, 264906, 29331830, 56182435, 264112, 264910, 33109954, 21906754, 87168474, 264600, 265017, 265018, 265019, 264764, 264765, 21906765, 21906766, 21906767, 21906769, 35695917, 265020, 265022, 60170615, 33657023, 18108370, 18108374, 264556, 60170394, 264558, 87168518, 22279000, 22279002, 264564, 264566, 264487 |
| 2400 | 91214116 (4799, 4800) | Novel Protein sim. GBank gll2352822[gb][AAB69285.1] - (AF008945) glucose-6-phosphatase [Haplochromis nubilus] | | phosphatase | 21906766, 52646842, 56994075, 33657182, 27486262, 52644296, 265017 |

| | | | | |
|------|-----------------------|--|--|--|
| 2401 | 91214118 (4801, 4802) | Novel Protein sim. GBank gij2352822[gib/AA869285.1] - (AF008945) glucose-6-phosphatase [Haplochromis rubilus] | phosphatase | 52644507, 52645156, 52644229, 264688, 21906764, 21906785, 52646385, 52646842, 21906766, 21906767, 21906768, 22278995, 35695917, 56994075, 35696286, 22278996, 22278997, 265020, 22278998, 22278999, 264259, 33657023, 52645080, 264693, 29331824, 33657109, 52645129, 29331826, 33657182, 29331827, 35696052, 27486261, 27486262, 33656970, 33657349, 27486265, 35695763, 264106, 264905, 35696423, 35695855, 265006, 265007, 265008, 265009, 264637, 52644332, 55812038, 52646317, 18108385, 52644296, 87168474, 265010, 87168559, 80432113, 265017, 265018, 265019, 264563, 264288 |
| 2402 | 91221408 (4803, 4804) | Novel Protein sim. GBank gij4689259[gib/AAAD27832.1]AF12185 - (AF121859) sorting nexin 9 [Homo sapiens] | | 264907, 264908, 264909, 264566 |
| 2403 | 94135432 (4805, 4806) | Novel Protein sim. GBank gij4929575[gib/AAAD34048.1]AF15181 - (AF151811) CGI-53 protein [Homo sapiens] | Contains protein domain (PF00062) - C-type lysozyme/alpha-lactalbumin family | 22278999, 35696052, 265018, 264686, 264693, 83373044, 264567 |
| 2404 | 95312605 (4807, 4808) | Novel Protein sim. GBank gij2315796 (AF016685) - similar to short chain-type dehydrogenases [Caenorhabditis elegans] | Contains protein domain (PF00106) - short chain dehydrogenase | 35696286, 29331826, 35696052, 265008, 265018, 21906769, 264584 |
| 2405 | 94311851 (4809, 4810) | Novel Protein sim. GBank gij464178[dbj/BAA03581] - (D14853) polyprotein [Hepatitis C virus] | UNCLASSIFIED | 35696286, 29331822, 265007, 21906754, 265017, 265018, 265019, 264763, 264369, 21906765, 35695917, 265020, 265021, 52644150, 264693, 35695855, 264632, 52644332, 22279002 |
| 2406 | 88094501 (4811, 4812) | Novel Protein sim. GBank gij2773363 (AF041382) - microtubule binding protein D-CLIP-190 [Drosophila melanogaster] | Contains protein domain (PF01302) - CAP-Gly domain | 52646842, 22278994, 22278996, 35696286, 22278997, 22278998, 22278999, 264092, 264093, 60432049, 264259, 29331822, 29331824, 29331825, 29331827, 35696052, 29331828, 264102, 264106, 264906, 52644045, 265007, 265008, 265009, 264910, 264592, 60433356, 60433438, 33109954, 265010, 265011, 265018, 265019, 264369, 264685, 264686, 21906768, 21906769, 52644150, 264693, 52645129, 264628, 35696423, 264632, 56182323, 264639, 22279000, 22279002, 264563 |
| 2407 | 79465005 (4813, 4814) | Novel Protein sim. GBank gij423442[pir/S33513 - gene Fif protein - mouse | UNCLASSIFIED | 264685, 264686 |
| 2408 | 87391503 (4815, 4816) | | UNCLASSIFIED | 264910, 265010, 264448, 264557 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 2409 | 94741770 (4817, 4818) | Novel Protein sim. GBank gil1176601[sp]P45966[YZ6_CAEEL - HYPOTHETICAL 20.8 KD PROTEIN T09A5.6 IN CHROMOSOME III | | UNCLASSIFIED | 22278995, 22278996, 22278997, 264097, 29331822, 29331824, 29331827, 29148498, 52644045, 60433438, 33657084, 87168474, 264760, 21908767, 29148627, 29148629, 52644150, 33657023, 263967, 20281059, 18108374, 20281071, 56182323, 83373044, 18108385, 87168518 |
| 2410 | 87604860 (4819, 4820) | Novel Protein sim. GBank gil4966262[gb]AAC48052.21 - (U64849) Contains similarity to Pfam domain: PF00646 (F- box). Score=28.7, E-value=4.3e-05, N=1 [Caenorhabditis elegans] | Contains protein domain (PF00080) - Copper/zinc superoxide dismutase (SODC) | | 22278998, 264259 |
| 2411 | 87534633 (4821, 4822) | Novel Protein sim. GBank gil3114713 (AF061346) - Edp1 protein [Mus musculus] | | inf | 29331824, 29331827, 29331828, 264764, 264368, 33657109, 56182323 |
| 2412 | 87778332 (4823, 4824) | Novel Protein sim. GBank gil5410336[gb]AAD43038.11 - (AF106685) myelin gene expression factor 2 [Homo sapiens] | Contains protein domain (PF00076) - RNA recognition motif. (a.k.a. RRM, RBD, or RNP domain) | dna_rna_bind | 22278998, 29331827, 264907, 265011, 265017, 265018, 265019, 18108351, 21906766, 265020, 33657109, 264559, 18108385 |
| 2413 | 94133820 (4825, 4826) | Novel Protein sim. GBank gil5262705[emb]CAB45778.11 - (AL080214) hypothetical protein [Homo sapiens] | Contains protein domain (PF00038) - Intermediate filament proteins | struct | 264488, 264259, 29331826, 264508, 264905, 264509, 264908, 264907, 264908, 264510, 264511, 264512, 265008, 265009, 264910, 265011, 264682, 264764, 264766, 264686, 264768, 264689, 265021, 33657023, 18108370, 264628, 35695855, 264632, 264634, 264635, 264636, 83373044, 264563, 264564, 264565, 264566, 264567, 264486 |
| 2414 | 94312590 (4827, 4828) | Novel Protein sim. GBank gil1082340[pir]S52863 - DNA- binding protein R kappa B - human | | ubiquitin | 52645156, 52646842, 52646355, 18108398, 56182575, 22278994, 22278995, 56994075, 22278996, 35696286, 22278997, 22278998, 22278999, 264259, 52645080, 29331822, 29331824, 29331825, 29331826, 29331827, 29331828, 35696052, 33656970, 29331830, 264909, 60433356, 33657402, 264594, 52646317, 21906754, 33657084, 265010, 87168559, 265017, 265018, 265019, 264369, 264684, 264687, 264688, 56181562, 21906764, 264689, 21906765, 21906766, 21906767, 29148627, 21906769, 265020, 265021, 60170615, 33657023, 264693, 52645129, 33657109, 33657182, 27486261, 27486262, 27486265, 33657349, 18108370, 60431528, 264629, 18108374, 18108376, 55810764, 264636, 52644332, 264638, 264558, 56182323, 83373044, 18108385, 87168518, 22279002 |

| | | | | | |
|------|-----------------------|--|--|--|--|
| 2415 | 88089002 (4828, 4830) | Novel Protein sim. GBank gi 423915 pir A45439 - myosin I heavy chain - rat | Contains protein domain (PF00063) - struct | Myosin head (motor domain) | 264259, 264908, 60433356, 33657402, 21906754, 265018, 264687, 264689, 21906769, 55811957, 265021, 264690, 264691, 33657023, 264693, 35696423, 56182323, 56526486 |
| 2416 | 94118356 (4831, 4832) | Novel Protein sim. GBank gi 3025445 (AC004528) - R32184_1 [Homo sapiens] | | | 264638 |
| 2417 | 87733334 (4833, 4834) | Novel Protein sim. GBank gi 1084944 pir S54495 - hypothetical protein YPR021c - yeast (Saccharomyces cerevisiae) | | Contains protein domain (PF00153) - Mitochondrial carrier proteins | 264094, 29331822, 29331824, 29331827, 264369 |
| 2418 | 94234349 (4835, 4836) | Novel Protein sim. GBank gi 1176572 sp P45895 YNA4_CAEEL - HYPOTHETICAL 91.0 KD PROTEIN PAR2.4 IN CHROMOSOME III | UNCLASSIFIED | Contains protein domain (PF00411) - Ribosomal protein S11 | 56994075, 264091, 264259, 29331824, 29331825, 60432289, 29331828, 264905, 264907, 264511, 265009, 60432229, 21906754, 87166559, 265019, 264682, 21906768, 21906769, 265020, 265021, 33657023, 65274620, 18108370, 55811576, 264634, 60170394, 18108385, 22279000, 22279002, 264566 |
| 2419 | 82374249 (4837, 4838) | Novel Protein sim. GBank gi 284006 pir S18732 - autoantigen, 64K - human | struct | | 264569, 264762, 264448, 264691, 264631, 264634, 264555, 264556, 264638, 264558 |
| 2420 | 94844244 (4839, 4840) | Novel Protein sim. GBank gi 107621 pir S50755 - hypothetical protein VSP-3 - Chlamydomonas reinhardtii | UNCLASSIFIED | | 29331824, 29331825, 29331828, 60432229, 33109954, 85658542, 87168474, 265018, 264288, 265020, 264564 |
| 2421 | 87805345 (4841, 4842) | Novel Protein sim. GBank gi 22424567 dbj BAA20772 - (AB002311) KIAA0313 [Homo sapiens] | UNCLASSIFIED | Contains protein domain (PF00617) - RasGEF domain | 264909, 264768, 264638 |
| 2422 | 88084714 (4843, 4844) | Novel Protein sim. GBank gi 4505153 ref NP_002392.1 pMEKK - MAP/JERK kinase Kinase 3 | transport | Contains protein domain (PF00069) - Eukaryotic protein kinase domain | 18108392, 18108394, 18108398, 264906, 265006, 265010, 18108351, 18108374, 18108385 |
| 2423 | 88058390 (4845, 4846) | Novel Protein sim. GBank gi 4505153 ref NP_002392.1 pMEKK - MAP/JERK kinase Kinase 3 | kinase | Contains protein domain (PF00069) - Eukaryotic protein kinase domain | 264259, 60432049, 29331822, 29331826, 60432289, 29331828, 265008, 265009, 60433356, 21906754, 265017, 265018, 265019, 21906766, 21906768, 21906769, 265020, 265021, 20281149, 263971, 60432113 |
| 2424 | 94854047 (4847, 4848) | Novel Protein sim. GBank gi 2988398 (AC004381) - Unknown gene product [Homo sapiens] | UNCLASSIFIED | | 56182575, 35696286, 22278997, 60432049, 264259, 29331826, 29331828, 264905, 66712502, 29331830, 60433356, 265011, 265019, 264768, 21906768, 55811957, 264692, 33657023, 33657109, 55811576, 56182323, 83373044, 18108385, 18108388, 60432113, 22279000 |
| 2425 | 87415981 (4849, 4850) | Novel Protein sim. GBank gi 2077932 dbj BAA19879 - (D88556) Protein Kinase [Rattus norvegicus] | kinase | Contains protein domain (PF00069) - Eukaryotic protein kinase domain | 264634 |
| 2426 | 87613945 (4851, 4852) | Novel Protein sim. GBank gi 2039368 gb AA53003.1 - (U94619) circulating cathodic antigen [Schistosoma mansoni] | UNCLASSIFIED | | 22278996, 22278998, 264259, 264102, 264512, 265008, 21906767, 18108370, 18108374, 263976 |

| | | | | | |
|------|-----------------------|---|--|------------------|---|
| 2427 | 87622693 (4853, 4854) | Novel Protein sim. GBank gi 4680895 gb AAD27737.1 AF132962) CGI-28 protein [Homo sapiens] | Contains protein domain (PF00573) - Ribosomal protein L4/L1 family | ribosomalprot | 264259, 20281099, 35696052, 265008, 264594, 265011, 264760, 18108351, 264682, 264683, 264369, 264684, 264686, 264687, 264689, 21906766, 264691, 264692, 18108374, 18108377, 264557, 264639, 18108385 |
| 2428 | 85732889 (4855, 4856) | Novel Protein sim. GBank gi 1537070 (U63840) - nucleoporin p54 [Rattus norvegicus] | | | 22278996, 22278999, 35696052, 21906754, 264288, 21906765, 21906768, 21906769, 35695917, 265020, 263972, 2279002 |
| 2429 | 87769276 (4857, 4858) | Novel Protein sim. GBank gi 601931 (M94316) - neurofilament-H [Oryctolagus cuniculus] | Contains protein domain (PF00711) - Beta defensins | UNCLASSIFIED | 22278999, 29331824, 264806, 264909, 264511, 265009, 21906754, 265017, 265018, 265019, 264448, 264683, 264288, 21906765, 21906768, 265021, 264693, 18108381 |
| 2430 | 86948827 (4859, 4860) | | | UNCLASSIFIED | 264112, 264691 |
| 2431 | 87649884 (4861, 4862) | Novel Protein sim. GBank gi 3860729 emb CAA14630) - (AJ235270) CELL DIVISION PROTEIN FTSJ (ftsJ) [Rickettsia prowazekii] | Contains protein domain (PF01728) - FtsJ cell division protein | | 29331826, 29331827, 35696052, 29146499, 264905, 264906, 264681, 264288, 264689, 21906765, 264692, 35696423 |
| 2432 | 80063033 (4863, 4864) | Novel Protein sim. GBank gi 3876367 emb CAA93287) - (Z69360) Weak similarity to Elmeria thrombospondin (PIR Acc. No. A45517); cDNA EST EMBL:M89266 comes from this gene; cDNA EST yk295b9.5 comes from this gene [Caenorhabditis elegans] | | protease | 264634, 264558 |
| 2433 | 80055092 (4865, 4866) | Novel Protein sim. GBank gi 2224593 dbj BAA20784) - (AB002324) KIAA0326 [Homo sapiens] | Contains protein domain (PF00096) - Zinc finger, C2H2 type | transcriptfactor | 284569, 264905, 265018, 264762, 264683, 264691, 264558, 264557, 264639, 264558 264563 |
| 2434 | 19520148 (4867, 4868) | | | UNCLASSIFIED | 264555 |
| 2435 | 20759044 (4869, 4870) | Novel Protein sim. GBank gi 1263289 (U47856) - fibroin-4 [Araneus diadematus] | | UNCLASSIFIED | 265008, 264758, 265010, 264689, 27486261, 263972, 18108374, 18108381 |
| 2436 | 88044008 (4871, 4872) | | | UNCLASSIFIED | 29331828, 265007, 265009, 265017, 264760, 264685, 264693, 264565 |
| 2437 | 83363424 (4873, 4874) | Novel Protein sim. GBank gi 3641352 (AF091234) - putative transcription factor [Mus musculus] | | UNCLASSIFIED | 29331826, 264508, 264905, 264509, 264906, 264907, 264908, 264909, 264511, 265006, 264512, 264910, 265009, 264591, 33657402, 21906754, 265011, 264760, 264764, 264685, 264686, 264768, 35695917, 33657023, 264693, 264631, 264632, 56182323, 264558, 83373044, 264563, 264564, 264565, 264566, 264567 |
| 2438 | 94143473 (4875, 4876) | Novel Protein sim. GBank gi 3860014 (AF091088) - unknown [Homo sapiens] | Contains protein domain (PF01256) - Uncharacterized protein family UPF0031 | UNCLASSIFIED | |

| | | | | | |
|------|-----------------------|---|--|----------------------|--|
| 2439 | 94850650 (4877, 4878) | Novel Protein sim. GBank gj4263519[gb]AAD15345] - (ACO04044) small nuclear riboprotein Sm-D1 [Arabidopsis thaliana] | Contains protein domain (PF01423) - Sm protein | UNCLASSIFIED | 60424179, 18108397, 56182575, 56181686, 56994075, 22278996, 35696286, 22278997, 22278999, 264259, 52645080, 29331822, 56182181, 29331824, 60424269, 66714117, 29331825, 60432289, 29331826, 29331827, 29331828, 35698052, 29146498, 264509, 264905, 264906, 52644045, 60431735, 33109954, 21906754, 33657084, 55811386, 52644296, 87168474, 265017, 265018, 265019, 18108351, 264448, 264288, 264768, 52644229, 56181562, 21906764, 21906765, 21906766, 21906767, 21906768, 21906769, 35695917, 33657023, 33657109, 33657182, 27486262, 27486264, 33657349, 27486265, 35695763, 18108370, 60431828, 263977, 55810764, 35696423, 65274791, 35695855, 60431850, 56182323, 60432113, 22279000, 22279002, 264567 |
| 2440 | 87641733 (4879, 4880) | | | UNCLASSIFIED | 29331822, 29331824, 29331825, 29331827, 35696052, 264508, 264907, 264510, 265018, 265019, 264448, 264369, 265020, 265021, 56182323, 264639, 22279002 |
| 2441 | 87623914 (4881, 4882) | Novel Protein sim. GBank gj3024889[sp]P56524[Y288_HUMAN - HYPOTHETICAL PROTEIN KIAA0288 (HA6116)] | | UNCLASSIFIED | 264488, 264629, 18108374, 264564 |
| 2442 | 87273590 (4883, 4884) | Novel Protein sim. GBank gj4506013[ref]NP_002703.1[pppp1 - protein phosphatase 1, regulatory subunit 7] | Contains protein domain (PF00560) - Leucine Rich Repeat | UNCLASSIFIED | 22278996, 22278999, 29331822, 264768, 264693 |
| 2443 | 84305949 (4885, 4886) | Novel Protein sim. GBank gj1170658[sp]Q02975[KID1_RAT - RENAL TRANSCRIPTION FACTOR KID-1 (TRANSCRIPTION FACTOR 17)] | Contains protein domain (PF01352) - KRAB box | transcription factor | 264906 |
| 2444 | 88086345 (4887, 4888) | Novel Protein sim. GBank gj4758824[ref]NP_004280.1[pNRF3 - nuclear factor (erythroid-derived 2)-like 3] | Contains protein domain (PF00170) - bZIP transcription factor | transcription factor | 264259, 18108382, 18108383, 18108385, 22278000 |
| 2445 | 87338636 (4889, 4890) | Novel Protein sim. GBank gj2135950[pir][S58222 - PQ-rich protein - human] | | | 264259, 35696052, 264369, 18108361 |
| 2446 | 88059293 (4891, 4892) | Novel Protein sim. GBank gj4753887[emb]CAA05409.2] - (AJ002424) p65 protein [Rattus norvegicus] | Contains protein domain (PF00095) - WAP-type (Whey Acidic Protein) 'four-disulfide core' | proteaseinhib | 265011, 264689, 33657023, 263981, 18108385 |
| 2447 | 94845149 (4893, 4894) | Novel Protein sim. GBank gj4888613[ref]NP_005409.1[pST5] - suppression of tumorigenicity 5 | cadherin | | 56182575, 264259, 29331824, 29331825, 29331827, 60433356, 60433438, 264758, 265018, 264692, 65274620, 60431528, 65274791, 56182323 |

| | | | | | | |
|------|-----------------------|--|---|--|--------------|--|
| 2448 | 87749680 (4895, 4896) | | | | UNCLASSIFIED | 22278996, 22278997, 22278999, 29331826, 35696052, 264107, 264110, 87168474, 87168559, 18108351, 21906767, 21906769, 27486262, 263976 |
| 2449 | 87869075 (4897, 4898) | Novel Protein sim. GBank gi 728837 sp P39194 ALU7_HUMAN - !!!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!! | | | cadherin | 264259, 264828, 265007, 264595, 265021, 56526486 |
| 2450 | 85597784 (4899, 4900) | | | | UNCLASSIFIED | 264906 |
| 2451 | 91014563 (4901, 4902) | Novel Protein sim. GBank gi 1710021 sp P35290 RB24_MOUSE - RAS-RELATED PROTEIN RAB-24 (RAB-16) | Contains protein domain (PF00071) - Ras family | | glycoprotein | 264093, 29331822, 29331824, 29331825, 66714117, 29331826, 29331828, 35696052, 264907, 66712502, 29331830, 264910, 265009, 264758, 265017, 265018, 264762, 264448, 264288, 21906767, 265021, 33657023, 264693, 33657109, 263969, 83373044, 18108385 |
| 2452 | 91230509 (4903, 4904) | Novel Protein sim. GBank gi 1504034 dbj BAA13216 - (D86980) KIA0227 [Homo sapiens] | | | isomerase | 264102, 264112, 264688, 263972, 18108374, 83373044, 264563 |
| 2453 | 84201088 (4905, 4906) | Novel Protein sim. GBank gi 2880079 (AC004142) - similar to murine leucine-rich repeat protein; possible role in neural development by protein-protein interactions; 93% similarity to D49802 (PID:g1369908) [Homo sapiens] | Contains protein domain (PF00560) - Leucine Rich Repeat | | ngifrecep | 264509, 264512, 18108385 |
| 2454 | 95310691 (4907, 4908) | Novel Protein sim. GBank gi 1076802 pir S49915 - extensin like protein - maize | Contains protein domain (PF00170) - bZIP transcription factor | | UNCLASSIFIED | 263994, 66714117, 29331827, 264508, 264509, 264905, 264908, 264907, 264908, 264909, 264510, 264511, 264512, 265009, 264910, 264591, 264758, 264759, 265010, 265011, 264603, 264604, 264760, 264761, 264762, 18108351, 264764, 264765, 264766, 264686, 264768, 264769, 264534, 264691, 264692, 33657023, 264693, 33657109, 264628, 263978, 35695855, 264634, 264635, 264637, 264638, 264639, 83373044, 18108385, 264563, 264564, 264486 |
| 2455 | 95288301 (4909, 4910) | Novel Protein sim. GBank gi 543817 sp P35585 AP47_MOUSE - CLATHRIN COAT ASSEMBLY PROTEIN AP47 (CLATHRIN COAT ASSOCIATED PROTEIN AP47) (GOLGI ADAPTOR AP-1 47 KD PROTEIN) (HA1 47 KD SUBUNIT) (CLATHRIN ASSEMBLY PROTEIN ASSEMBLY PROTEIN COMPLEX 1 MEDIUM CHAIN) | Contains protein domain (PF00928) - Adaptor complexes medium subunit family | | glycoprotein | 264488, 22278996, 264259, 35696032, 264905, 264906, 264907, 264908, 264909, 264510, 264512, 265008, 265009, 264910, 264591, 264592, 264593, 264594, 264758, 265019, 264760, 264681, 18108351, 264683, 264764, 18108354, 264766, 264768, 264769, 264689, 21906766, 21906767, 21906769, 29148629, 35695917, 265020, 265022, 33657023, 33657109, 18108370, 264628, 264629, 264631, 264632, 264635, 56182323, 60170394, 18108385, 264563, 264564, 264565, 264566, 264567 |
| 2456 | 88166700 (4911, 4912) | Novel Protein sim. GBank gi 2586630 (AC003079) - Ankyrin- like, 54% similar to 2022340A (NID:g1092123) in exons spanning 43974 to 11551 of clone. [Homo sapiens] | Contains protein domain (PF00023) - Ank repeat | | kinase | 264693 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 2457 | 94118375 (4913, 4914) | Novel Protein sim. GBank gij3025447 (AC004528) - R32184_3 [Homo sapiens] | | UNCLASSIFIED | 56181686, 264905, 264907, 264511, 264596, 55811386, 264682, 264684, 264685, 264687, 264691, 33657023, 264693, 35695855, 264636, 264555, 56182323, 264558, 56526486, 264563 |
| 2458 | 85875304 (4915, 4916) | Novel Protein sim. GBank gij2384942 (AF022985) - Similar to collagen [Caenorhabditis elegans] | | UNCLASSIFIED | 264691, 264693, 264634, 264559 |
| 2459 | 87551913 (4917, 4918) | Novel Protein sim. GBank gij5441942 [gb]AAD43187.1 [AC004997] supported by mouse EST AA538043 (NID: g2284036) [Homo sapiens] | Contains protein domain (PF00097) - Zinc finger, C3HC4 type (RING finger) | transport | 27486265 |
| 2460 | 94315289 (4919, 4920) | Novel Protein sim. GBank gij4929701 [gb]AAD34111.1 [AF15187] - (AF151874) CG1-116 protein [Homo sapiens] | | kinase | 65274572, 35696286, 22278996, 22278997, 60432049, 29331822, 29331824, 29331825, 66714117, 60432289, 29331826, 29331827, 29331828, 33656970, 29146499, 264102, 264109, 60433438, 265017, 265018, 265019, 264288, 21906765, 21906766, 21906769, 35695917, 265020, 264691, 33657023, 27486261, 18108374, 35695855, 87168518, 60432113 |
| 2461 | 87645147 (4921, 4922) | Novel Protein sim. GBank gij4426962 [gb]AAD20633] - (AF126062) Arf-like 2 binding protein BART1 [Homo sapiens] | | UNCLASSIFIED | 264259, 29331828, 264910, 18108351, 18108370, 18108374 |
| 2462 | 86998002 (4923, 4924) | Novel Protein sim. GBank gij5420387 [emb]CAB46679.1] - (AJ243459) proteophosphoglycan [Leishmania major] | | | 264909, 264758, 264684, 18108374, 264637, 18108385 |
| 2463 | 84388543 (4925, 4926) | Novel Protein sim. GBank gij5052516 [gb]AAD38588.1 [AF14561] - (AF145613) BcDNA GH03108 [Drosophila melanogaster] | Contains protein domain (PF00096) - Zinc finger, C2H2 type | UNCLASSIFIED | 264681, 264566 |
| 2464 | 91219957 (4927, 4928) | Novel Protein sim. GBank gij5410300 [gb]AAD43021.1] - (AF100757) COP9 complex subunit 4 [Homo sapiens] | Contains protein domain (PF01399) - PCI domain | protease | 264489, 52646842, 22278995, 35696286, 22278996, 22278997, 22278999, 264259, 29331822, 29331824, 66714117, 29331825, 29331826, 29331827, 35696052, 29331828, 264509, 52644045, 264510, 264511, 264512, 265008, 60170831, 264593, 52646317, 33109954, 33657084, 265017, 265018, 265019, 264762, 264448, 264764, 264288, 264766, 21906765, 21906766, 21906767, 21906768, 21906769, 265021, 33657023, 33657109, 18108370, 18108381, 60170394, 18108385, 22279002, 264486 |

| | | | | | |
|------|-----------------------|---|---|--------------|---|
| 2465 | 95357483 (4929, 4930) | Novel Protein sim. GBank gij4506401[ref]NP_002871.1 pRAF1 - v-rat-1 murine leukemia viral oncogene homolog 1 | Contains protein domain (PF00069) - Eukaryotic protein kinase domain | oncogene | 18108392, 52644507, 52645156, 52646365, 22278994, 22278995, 35696286, 22278996, 22278998, 264259, 29331822, 29331824, 29331825, 60424269, 60432289, 29331827, 35696052, 29331828, 264907, 29331830, 52644045, 264909, 56182435, 264511, 265007, 265008, 265009, 264910, 33657402, 60433438, 55812038, 21906754, 33109954, 265010, 265011, 87186559, 264600, 265017, 265018, 265019, 18108351, 264369, 264288, 264685, 264767, 21906785, 21906787, 21906768, 55811957, 35695917, 265020, 265021, 60170615, 52644150, 33657023, 52645129, 33657109, 27486261, 27486264, 35695763, 264628, 263972, 18108374, 35695855, 264636, 264637, 60170394, 56526486, 87168518, 60432113, 264563, 264564, 264566, 264487 264369 |
| 2466 | 85681386 (4931, 4932) | Novel Protein sim. GBank gij4321619 gb AAD15788.1 - (AF051098) seven transmembrane domain orphan receptor [Mus musculus] | | | |
| 2467 | 88059465 (4933, 4934) | Novel Protein sim. GBank gij3513300 (AC005595) - F16601.1, partial CDS [Homo sapiens] | | UNCLASSIFIED | 56994075, 264908, 21906768, 33657023 |
| 2468 | 87614696 (4935, 4936) | Novel Protein sim. GBank gij2143455 pi gij58106 - gene DMR-N9 protein - mouse (fragment) | Contains protein domain (PF00400) - WD domain, G-beta repeat | kinase | 29331824, 52644045, 265008, 264910, 265019, 21906765, 21906769, 265021 264288, 264628 |
| 2469 | 86294397 (4937, 4938) | Novel Protein sim. GBank gij5420389 emb CAB46680.1 - (AJ243460) proteophosphoglycan [Leishmania major] | | UNCLASSIFIED | 264592, 264692, 264555, 264556, 264557, 264558, 264559, 18108385, 264482 |
| 2470 | 80223831 (4939, 4940) | Novel Protein sim. GBank gij5419882 emb CAB46424.1 - (AL096749) DKFZp434G153 [Homo sapiens] | | UNCLASSIFIED | 65274572, 35696286, 29331827, 285007, 264592, 33109954, 265018, 265019, 264288, 55811957, 265020, 264693, 55811576, 56182323 |
| 2472 | 95060811 (4943, 4944) | Novel Protein sim. GBank gij4929747 gb AAD34134.1 AF15189 - (AF151897) CGI-139 protein [Homo sapiens] | | UNCLASSIFIED | 264092, 60432049, 29331825, 60433356, 265010, 265011, 18108351, 264784, 264288, 264692, 65274620, 18108370, 18108372, 18108374, 264634, 18108385 |
| 2473 | 95421509 (4945, 4946) | Novel Protein sim. GBank gij4539009 emb CAB39630.1 - (AL049481) putative protein [Arabidopsis thaliana] | | | 60424179, 65274572, 22278999, 60424269, 29331826, 265008, 60433356, 60433438, 265010, 18108351, 264448, 264288, 264687, 264689, 265021, 264692, 65274620, 60431528, 65274791, 264556, 56182323, 60432113 |
| 2474 | 94315616 (4947, 4948) | Novel Protein sim. GBank gij3252827 (AC004382) - Unknown gene product [Homo sapiens] | | | 65274572, 56994075, 264259, 29331826, 60170831, 265017, 265018, 265019, 264683, 264369, 265020, 264693, 264563, 264564 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 2475 | 94321693 (4949, 4950) | Novel Protein sim. GBank gij1216486 (U48852) - HT protein [Cricetulus griseus] | Contains protein domain (PF00008) - EGF-like domain | lgf | 264259, 29331822, 265006, 265007, 265010, 265011, 264448, 264288, 264369, 264685, 264686, 18108357, 264768, 18108362, 264693, 18108370, 18108374, 18108379, 35898423, 83373044, 18108383, 18108385, 264584, 264565, 264567 |
| 2476 | 94315618 (4951, 4952) | Novel Protein sim. GBank gij3252827 (AC004382) - Unknown gene product [Homo sapiens] | | UNCLASSIFIED | 264259, 60424269, 66714117, 264905, 265006, 264511, 265008, 265009, 264758, 265010, 265011, 18108351, 264681, 264369, 264288, 264689, 21906787, 265020, 18108374, 264639, 18108382, 83373044, 18108385, 87168518 |
| 2477 | 20718974 (4953, 4954) | | | UNCLASSIFIED | 263978 |
| 2478 | 17659165 (4955, 4956) | | | UNCLASSIFIED | 265017 |
| 2479 | 94314569 (4957, 4958) | Novel Protein sim. GBank gij1644232 [dbj]BAA11082] - (D67066) N-WASP [Bos taurus] | | tm7 | 56994075, 22278999, 21906754, 264682, 21906765 |
| 2480 | 95295605 (4959, 4960) | | | UNCLASSIFIED | 264905, 264907, 264765 |
| 2481 | 94718481 (4961, 4962) | Novel Protein sim. GBank gij5689469 [dbj]BAA83018.1] - (AB028989) KIAA1066 protein [Homo sapiens] | | collagen | 65274572, 56182575, 22278997, 264094, 264259, 29331822, 29331824, 66714117, 29331827, 35696052, 264508, 264905, 264906, 264907, 264908, 52644045, 264909, 56182435, 265008, 264910, 33657402, 55812038, 264758, 265010, 265011, 265017, 265018, 264760, 264762, 18108351, 264764, 264288, 264766, 264686, 264768, 21906768, 55811957, 265020, 264691, 264692, 264693, 264629, 55811576, 264630, 264634, 264635, 264636, 264637, 264556, 264558, 56182323, 83373044, 60432113, 22279002 |
| 2482 | 87393165 (4963, 4964) | Novel Protein sim. GBank gij321249 [pir]S28407 - guanine nucleotide-exchange activator CDC25 homolog - mouse | | UNCLASSIFIED | 29331822, 29331824, 29331825, 29331827, 264508, 264905, 264509, 264906, 264907, 264908, 264511, 264591, 264768, 264693, 264631, 264632, 264636, 264638, 264639, 264563 |
| 2483 | 87731583 (4965, 4966) | | | UNCLASSIFIED | 264488, 22278995, 264093, 264095, 60432049, 60433356, 60433438, 264448, 264288, 263967, 18108370, 18108385, 18108388, 264482 |
| 2484 | 94187774 (4967, 4968) | Novel Protein sim. GBank gij728831 [sp]P39188 [ALU1_HUMAN - III] ALU SUBFAMILY J WARNING ENTRY IIII | | kinase | 264563 |
| 2485 | 87786556 (4969, 4970) | Novel Protein sim. GBank gij1185397 (U25281) - SH3 domain binding protein [Rattus norvegicus] | | UNCLASSIFIED | 22278995, 22278996, 22278997, 22278999, 264259, 60432049, 29331824, 60432289, 29331827, 265007, 264910, 264593, 264600, 264603, 264604, 265019, 264448, 264288, 264685, 264686, 264769, 264689, 35695917, 265022, 264692, 264693, 56182323 |

| | | | | | |
|------|-----------------------|---|---|------------------|--|
| 2486 | 87748978 (4971, 4972) | Novel Protein sim. GBank gi 2662167 dbj BAA23715 - (AB007903) KIAA0443 [Homo sapiens] | | | 265017, 264555 |
| 2487 | 95343105 (4973, 4974) | Novel Protein sim. GBank gi 464559 sp P35287 RB14_RAT RAS-RELATED PROTEIN RAB-14 | Contains protein domain (PF00071) - Ras family | glycoprotein | 22278996, 35696286, 22278997, 22278998, 22278999, 264092, 264259, 29331822, 35696052, 264106, 264905, 264907, 29331830, 264909, 265006, 264511, 265008, 265009, 60433438, 21906754, 33109954, 87168559, 265018, 264681, 264288, 264687, 21906765, 21906766, 21906767, 21906768, 21906769, 35695917, 265021, 265022, 264534, 33657023, 264692, 33657109, 263972, 18108377, 35696423, 35695855, 60170394, 18108385, 56526486, 22279000, 22279002, 264563, 264482, 264565, 20281169, 18108391 |
| 2488 | 87652451 (4975, 4976) | | | UNCLASSIFIED | 264910, 264448, 264288, 264684, 264691, 264634 |
| 2489 | 82990585 (4977, 4978) | Novel Protein sim. GBank gi 4886439 emb CAB43355.1 - (AL050253) hypothetical protein [Homo sapiens] | Contains protein domain (PF00084) - Sushi domain (SCR repeat) | complementrecept | 264686, 264693, 55811576, 22279002 |
| 2490 | 88069609 (4979, 4980) | Novel Protein sim. GBank gi 2588624 (AC003083) - Rap2 interacting protein-like: similar to U73941 (PID:g1916018) [Homo sapiens] | | UNCLASSIFIED | 264907, 265008, 22279002 |
| 2491 | 91242116 (4981, 4982) | Novel Protein sim. GBank gi 728832 sp P39189 ALU2_HUMAN - !!!!! ALU SUBFAMILY SB WARNING ENTRY !!!!! | | Im7 | 264259, 29331826, 265008, 264762, 18108370, 18108376, 18108379 |
| 2492 | 95308202 (4983, 4984) | Novel Protein sim. GBank gi 3355303 (AF001549) - Unknown gene product [Homo sapiens] | | transcriptfactor | 264488, 22278998, 22278999, 29331828, 264591, 33109954, 265017, 55811150, 21906764, 21906768, 264692, 60431528, 87168518, 60432113, 22279000 |

| | | | | |
|------|-----------------------|---|---|--|
| 2493 | 95422415 (4985, 4986) | Novel Protein sim. GBank gi 4240307 dbj BAA74932.1 - (AB020716) KIAA0909 protein [Homo sapiens] | Contains protein domain (PF01424) - struct R3H domain | 18108394, 264987, 65274572, 56182575, 22278995, 56994075, 60432049, 29331822, 29331824, 29331825, 29331826, 29331827, 29146498, 264508, 264905, 264509, 264906, 264907, 29331830, 264909, 264510, 265006, 264511, 265007, 264512, 265008, 265009, 264910, 21906754, 265011, 264600, 265017, 265018, 264604, 264605, 265019, 55811150, 264762, 18108351, 264681, 264448, 264683, 264369, 264288, 18108355, 18108357, 264687, 21906765, 21906766, 21906767, 21908768, 21908769, 265020, 264691, 264692, 33657023, 33657349, 18108370, 18108374, 18108376, 55810764, 18108379, 65274791, 264630, 264632, 264634, 264635, 264636, 264555, 264637, 264557, 264558, 264639, 264559, 83373044, 18108385, 87168518, 60432113, 22279000, 22279002, 264482, 264586, 264486 |
| 2494 | 30793118 (4987, 4988) | | | |
| 2495 | 94234551 (4989, 4990) | Novel Protein sim. GBank gi 5420389 emb CAB46680.1 - (AJ243460) proteophosphoglycan [Leishmania major] | UNCLASSIFIED collagen | 263994, 22278997, 35696052, 264509, 264905, 264908, 264907, 264908, 264909, 265006, 265009, 264595, 264604, 264448, 264682, 264764, 264288, 264685, 264766, 264769, 264689, 265020, 264692, 65274620, 264629, 55810764, 35696423, 55811576, 264636, 264637, 18108385, 22279000, 264584, 264567, 264486 |
| 2496 | 80018765 (4991, 4992) | Novel Protein sim. GBank gi 4808220 emb CAB42832.1 - (AL022315) dJ117715.1 (PUTATIVE novel protein) [Homo sapiens] | struct | 29147620, 264905, 265006, 265007, 18108348, 18108362, 18108370, 18108374, 264555, 264556, 18108381, 18108383, 18108388 |
| 2497 | 91723554 (4993, 4994) | | UNCLASSIFIED | 52644507, 22278996, 22278999, 29331824, 29331828, 33657402, 21906754, 87168474, 265019, 264369, 264689, 21906765, 21906766, 21906767, 21906768, 265020, 33657023, 18108376, 18108387 |
| 2498 | 87724633 (4995, 4996) | Novel Protein sim. GBank gi 1200503 (U47924) - B [Homo sapiens] | UNCLASSIFIED | 29331827, 264512, 264910, 264288, 18108374, 35695855 |
| 2499 | 94685125 (4997, 4998) | Novel Protein sim. GBank gi 3510234 (AC005581) - R31237_1, partial CDS [Homo sapiens] | Contains protein domain (PF00069) - kinase Eukaryotic protein kinase domain | 264909, 55812038, 264631, 264637, 264558 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 2500 | 94649324 (4989, 5000) | Novel Protein sim. GBank gj3881275[emb]CAA21725] - (AL032655) predicted using GeneFinder; similar to Inositol monophosphatase family; cDNA EST yk255e11.5 comes from this gene [Caenorhabditis elegans] | Contains protein domain (PF00459) - Inositol monophosphatase family | transport | 52644507, 52645156, 22278995, 56994075, 35696286, 22278998, 264259, 52645080, 29331824, 29331825, 66714117, 60432289, 29331826, 29331827, 35696052, 29331828, 264508, 264509, 264510, 264512, 33657402, 60433438, 21906754, 52644296, 87168474, 87168559, 264603, 264681, 264448, 264683, 264288, 264369, 52644229, 264689, 21906765, 21906766, 21906767, 21906768, 21906769, 55811957, 35695917, 265020, 265021, 52644150, 33657023, 264693, 33657182, 35695763, 35695423, 35695855, 52644332, 83373044, 18108387, 87168518, 22279002 |
| 2501 | 94303896 (5001, 5002) | Novel Protein sim. GBank gj14929615[g]AAD34068.1[AF15183 - (AF151831) CGI-73 protein [Homo sapiens] | Contains protein domain (PF00651) - BTB/POZ domain | dn_rna_bind | 55274572, 56182575, 35696286, 22278996, 56994075, 22278997, 60432049, 264259, 29331822, 29331824, 29331826, 29331827, 35696052, 284905, 264908, 264907, 264908, 264909, 56182435, 264510, 264511, 265007, 264910, 264591, 60432229, 33657402, 60433366, 264595, 55812038, 264758, 264596, 87168474, 87168559, 264600, 264601, 264602, 265017, 264604, 265018, 264605, 265019, 18108351, 264448, 264369, 264288, 264766, 18108357, 21906765, 21906766, 21906767, 21906769, 29148629, 35695917, 264692, 33657023, 264629, 35695423, 55811576, 35695855, 264630, 264634, 264635, 264555, 264636, 264638, 264558, 60170394, 83373044, 18108385, 18108387, 87168518, 60432113, 22279002, 264566 |
| 2502 | 90993716 (5003, 5004) | Novel Protein sim. GBank gj3041847 (AC004542) - OXYSTEROL-BINDING PROTEIN-like; similar to P22059 (PID:g129308) [Homo sapiens] | Contains protein domain (PF01237) - Oxysterol-binding protein | UNCLASSIFIED | 65274572, 264907, 56182435, 265007, 264592, 264760, 18108351, 264448, 264369, 264288, 264684, 264686, 55811957, 265021, 264692, 33657109, 263973, 55811576, 264635, 264555, 264556, 264557, 264558, 56182323, 264559, 87168518, 264563, 264482 |
| 2503 | 87878345 (5005, 5006) | Novel Protein sim. GBank gj2196874[emb]CAA72638] - (Y11896) BRX protein [Mus musculus] | | | 264905, 264907, 264512, 265008, 265011, 18108351, 264448, 264288, 29148627, 264693, 18108370, 18108374, 18108385 |

| | | | | | |
|------|-----------------------|---|--|--------------|--|
| 2504 | 87668706 (5007, 5008) | Novel Protein sim. GBank gi 550420 emb CAA48220 - (X88101) trg [Rattus norvegicus] | | | 264488, 52644507, 52645156, 52646842, 22278994, 264259, 52645080, 29331822, 29331824, 29331825, 29331826, 29331827, 35696052, 264906, 264908, 52644045, 265009, 60433356, 33657402, 60433438, 264595, 33109954, 87168474, 265017, 265019, 264448, 264288, 264766, 52644229, 21906765, 21906766, 21906767, 21906768, 52644150, 264692, 27486261, 27486262, 27486264, 27486265, 35695763, 35696423, 35695855, 52644332, 56182323, 18108387, 87168518, 60432113, 22279002, 264564 |
| 2505 | 8760559 (5009, 5010) | | | UNCLASSIFIED | 264605 |
| 2506 | 91232328 (5011, 5012) | Novel Protein sim. GBank gi 2137562 pir 49635 - mouse Dhml protein - mouse | | nuclease | 264488, 52644507, 52645156, 52646365, 65274572, 22278995, 56994075, 22278996, 22278997, 22278998, 22278999, 264259, 60432049, 29331822, 29331826, 29331826, 29331828, 264508, 56182435, 264112, 284593, 60433356, 55812038, 21906754, 265011, 265017, 265018, 265019, 264605, 264762, 18108351, 264448, 264288, 264768, 21906765, 21906766, 21906767, 21906768, 21906769, 35695917, 265020, 265021, 265022, 60170615, 33657023, 27486264, 18108379, 35695855, 264637, 83373044, 18108385, 87168518, 60432113, 22279000, 264563, 264482, 264565 |
| 2507 | 95316233 (5013, 5014) | Novel Protein sim. GBank gi 5174489 ref NP_006035.1 pKIAA - histone deacetylase 6 | Contains protein domain (PF00850) - Histone deacetylase family | histone | 264488, 263994, 264592, 264595, 264369, 264686, 264768, 35695917, 35696423, 264563 |
| 2508 | 95315505 (5015, 5016) | Novel Protein sim. GBank gi 4826433 emb CAB42889.1 - (AL031447) dJ126A5.2.1 (novel protein) (isoform 1) [Homo sapiens] | | UNCLASSIFIED | 22278995, 22278999, 60432049, 264259, 29331828, 265006, 265007, 60433438, 33657084, 265010, 265017, 265018, 265019, 18108351, 264448, 18108354, 264369, 18108359, 21906765, 21906769, 55811957, 265020, 265022, 27486261, 33657349, 18108377, 35695855, 60432113, 22279002, 264563, 264565 |
| 2509 | 87813741 (5017, 5018) | Novel Protein sim. GBank gi 1263289 (U47856) - fibroin-4 [Araneus diadematus] | | UNCLASSIFIED | 265007, 265008, 18108357, 264556, 264567 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 2510 | 85421378 (5018, 5020) | Novel Protein sim. GBank gi 3293537 gb AAC25762.1 - (AF071059) zinc finger RNA binding protein [Mus musculus] | | dna_ma_bind | 55274572, 22278994, 22278996, 22278998, 22278999, 60432049, 264259, 29331822, 29331824, 29331825, 66714117, 60432289, 29331826, 33656970, 264908, 66712502, 265007, 264910, 60170831, 60432229, 60433356, 60433438, 21906754, 87168474, 265017, 265018, 264448, 264288, 21906767, 21906768, 21906769, 55811957, 35895917, 265020, 265022, 264691, 33657023, 264693, 65274620, 33657109, 33657182, 27486262, 33657349, 18108370, 35895855, 264555, 56182323, 83373044, 60432113, 22279002, 265017, 21906764, 265020, 264692 |
| 2511 | 87384281 (5021, 5022) | Novel Protein sim. GBank gi 4323152 gb AAD16228.1 - (AF098863) Ets-protein Spl-C [Mus musculus] | | | |
| 2512 | 88084771 (5023, 5024) | Novel Protein sim. GBank gi 4502075 ref NP_001135.1 pAMFR - autocrine motility factor receptor | Contains protein domain (PF00097) - Zinc finger, C3HC4 type (RING finger) | transport | 22278999, 264259, 29331825, 29331826, 29146489, 264907, 264909, 265006, 265008, 264591, 60432229, 21906754, 264763, 264683, 264766, 18108357, 264689, 21906769, 264693, 18108370, 263972, 18108374, 264558, 22279000 |
| 2513 | 95357843 (5025, 5026) | Novel Protein sim. GBank gi 3004657 (AF017777) - bobby sox [Drosophila melanogaster] | | UNCLASSIFIED | 60424179, 52545156, 18108394, 22278994, 35896286, 56994075, 22278996, 29331822, 29331824, 60424269, 29331825, 29331827, 33656970, 60431735, 33657084, 87168559, 265017, 264448, 264369, 56181562, 21906766, 21906767, 21906768, 21906769, 265020, 265021, 33657023, 18108366, 33657109, 27486261, 27486262, 33657349, 18108374, 55810764, 35896423, 56182323, 264558, 18108385 |
| 2514 | 88084578 (5027, 5028) | Novel Protein sim. GBank gi 2258437 (AF008197) - syncollin [Rattus norvegicus] | | UNCLASSIFIED | 264510 |
| 2515 | 87994509 (5029, 5030) | Novel Protein sim. GBank gi 375727 emb CAA18783 - (AL022727) dJ80119.7 (olfactory receptor-like protein (hs6M1-3)) [Homo sapiens] | Contains protein domain (PF00001) - 7 transmembrane receptor (rhodopsin family) | Im7 | |
| 2516 | 87786908 (5031, 5032) | | | UNCLASSIFIED | 264259, 29146498, 264905, 264288, 29148629, 35895917, 27486261, 264634 |
| 2517 | 87784966 (5033, 5034) | Novel Protein sim. GBank gi 4220527 emb CAA23000 - (AL035356) putative protein [Arabidopsis thaliana] | | UNCLASSIFIED | 264091, 29331824, 29331825, 29331826, 29331828, 35896052, 264508, 264509, 264905, 264906, 264907, 264908, 264909, 264511, 264910, 33657402, 264757, 33109954, 265017, 265018, 264605, 264760, 264762, 264763, 264766, 264768, 264769, 33657109, 33657182, 264628, 55811576, 35896423, 264631, 264634, 264637, 264638, 264639, 87168518, 22279002, 264564 |

| | | | | | |
|------|-----------------------|--|---|--------------|---|
| 2518 | 94147410 (5035, 5036) | Novel Protein sim. GBank gi 4928591 gb AAD34056.1 AF15181 - (AF151819) CGI-61 protein [Homo sapiens] | Contains protein domain (PF00018) - SH3 domain | UNCLASSIFIED | 35696286, 264259, 29331822, 29331824, 29331825, 60432289, 29331828, 29331827, 35696052, 29331828, 264907, 264909, 264511, 265007, 60432229, 60433356, 60433438, 55812038, 265010, 265017, 264448, 264288, 264889, 21906768, 21906769, 265022, 52644150, 264693, 18108370, 263972, 264555, 56182323, 83373044, 18108385, 60432113, 264088 264259, 66714117, 29331826, 29331827, 29331828, 264907, 66712502, 265008, 265008, 264594, 265010, 265011, 265018, 264288, 21906769, 265020, 60431528, 55811576, 65274791, 264632, 264555, 264636, 22279002, 264584 |
| 2519 | 94326180 (5037, 5038) | Novel Protein sim. GBank gi 4263748 gb AAD15420 - (AC004883) similar to KIAA0766; similar to PID:g3882253 [Homo sapiens] | | kinase | 264259, 66714117, 29331826, 29331827, 29331828, 264907, 66712502, 265008, 265008, 264594, 265010, 265011, 265018, 264288, 21906769, 265020, 60431528, 55811576, 65274791, 264632, 264555, 264636, 22279002, 264584 |
| 2520 | 87413235 (5039, 5040) | Novel Protein sim. GBank gi 4826722 ref NP_005085.1 pFATP - fatty acid transport protein 4 | | transport | 264259, 264908, 264910, 264682, 21906769, 265020, 264563 |
| 2521 | 95316244 (5041, 5042) | Novel Protein sim. GBank gi 5174489 ref NP_006035.1 pKIAA - histone deacetylase 6 | Contains protein domain (PF00850) - Histone deacetylase family | histone | 264488, 264489, 263994, 65274572, 22278995, 22278998, 264259, 29331822, 29331826, 264508, 264905, 264509, 264906, 264907, 66712502, 264511, 265008, 265007, 264591, 264592, 264593, 264594, 264595, 264596, 264681, 264448, 264763, 264682, 264764, 264684, 264369, 264288, 264685, 264686, 21906768, 55811957, 264692, 264693, 27486281, 18108370, 264628, 264629, 18108374, 55811576, 35696423, 35695855, 264632, 264558, 18108385, 65274727, 60432113, 264563, 264584, 264585, 264566, 264567 |
| 2522 | 87754052 (5043, 5044) | Novel Protein sim. GBank gi 4580011 gb AAD24201.1 U81002_ - (U81002) TRAF4 associated factor 1 [Homo sapiens] | | transport | 264488, 22278997, 20281171, 21906754, 35695917, 263987, 263976, 263981, 20281169 |
| 2523 | 95340467 (5045, 5046) | | | | 263969 |
| 2524 | 95340469 (5047, 5048) | Novel Protein sim. GBank gi 1809327 (U76374) - skm- BOP2 [Mus musculus] | Contains protein domain (PF01753) - MYND finger | | 56994075, 22278996, 35696286, 22278997, 22278998, 22278999, 264259, 29331822, 29331824, 29331826, 29331828, 29331830, 56182435, 264512, 265008, 60170831, 33657402, 265010, 87168559, 265019, 264288, 21906765, 21906769, 35695917, 265020, 265021, 265022, 52644150, 264691, 33657023, 33657109, 27486281, 35696423, 65274791, 264559, 83373044, 56526486, 87168518, 264567 |

| | | | | | |
|------|-----------------------|--|---|----------------|--|
| 2525 | 94126928 (5048, 5050) | Novel Protein sim. GBank gll2073584 (U80223) - eukaryotic initiation factor eIF-2 alpha kinase; DGCN2 [Drosophila melanogaster] | | kinase | 264488, 22278997, 22278999, 60432049, 60432289, 29331828, 264905, 265008, 55812038, 21906754, 265019, 264369, 21906765, 21906766, 21906767, 21906769, 35695917, 265020, 265021, 33657109, 60431528, 83373044, 60432113, 22279000, 22279002, 264565 |
| 2526 | 95289404 (5051, 5052) | Novel Protein sim. GBank gll4589628(dbj)BAA76836.1] - (AB023209) KIAA0992 protein [Homo sapiens] | Contains protein domain (PF00238) - Ribosomal protein L14 | ribosomal prot | 60424179, 264768, 264687, 264769, 264689, 65274572, 21906767, 56182575, 21906768, 21906769, 55811957, 22278994, 22278995, 35696286, 35695917, 22278996, 22278997, 265020, 22278998, 265021, 22278999, 265022, 264690, 264691, 60432049, 264259, 264097, 33657023, 29331822, 29331824, 60432289, 29331826, 29331827, 29331828, 27486262, 264508, 264509, 264905, 264907, 18108370, 66712502, 60431528, 264828, 264909, 18108372, 18108374, 56182435, 18108376, 55810764, 55811576, 35696423, 35695855, 265006, 265007, 264512, 265008, 265009, 264634, 264635, 60431850, 264636, 264555, 264592, 60431735, 264638, 33657402, 56182323, 60433356, 60433438, 264595, 55812038, 264596, 264758, 83373044, 52646317, 18108385, 33657084, 18108387, 55811386, 55274727, 56526486, 87168518, 60432113, 265017, 22279000, 265018, 265019, 264584, 18108351, 264448, 264566, 264288, 264486, 264567, 264766, 264510, 264512, 264630, 264591, 264592, 264259, 264594, 264595, 264603, 264605, 18108351, 264565, 264369, 18108354 |
| 2527 | 88094580 (5053, 5054) | Novel Protein sim. GBank gll2258437 (AF008197) - syncollin [Rattus norvegicus] | | UNCLASSIFIED | 55812038, 265017, 264689, 35695917, 35695763, 60431528, 60432113, 22279002 |
| 2528 | 88078380 (5055, 5056) | Novel Protein sim. GBank gll2085786 (AC002086) - similar to zinc finger 5 protein from Gallus gallus, U51640 (PID:g1399185) [Homo sapiens] | Contains protein domain (PF00651) - BTB/POZ domain | dna_na_bind | |
| 2529 | 86670926 (5057, 5058) | Novel Protein sim. GBank gll3786433 (AF038505) - similar to Arabidopsis thaliana male sterility protein 2 (SW:Q08891) [Caenorhabditis elegans] | | synthase | 264908, 264769, 265020, 265021, 18108383 |
| 2530 | 80259978 (5059, 5060) | | | | 264369, 264556 |
| 2531 | 87768931 (5061, 5062) | | | UNCLASSIFIED | 29331822, 29331824, 60432289, 264508, 264509, 264906, 265011, 264769, 21906768, 33857023, 87168518, 22279000 |
| 2532 | 87419778 (5063, 5064) | Novel Protein sim. GBank gll2864625[emb]CAA16972] - (AL021811) putative protein [Arabidopsis thaliana] | | | 264593 |
| 2533 | 87000255 (5065, 5066) | Novel Protein sim. GBank gll437181 (U02289) - GTPase-activating protein [Caenorhabditis elegans] | | UNCLASSIFIED | 264555 |

| | | | | | |
|------|-----------------------|--|-----------|--------------|--|
| 2534 | 87332322 (5067, 5068) | Novel Protein sim. GBank gjl3452473 (AF084205) - serine/threonine protein kinase TAO1 [Rattus norvegicus] | | UNCLASSIFIED | 264259, 35696052, 264905, 265017, 21906769, 265020, 265022, 33657109, 22279000 |
| 2535 | 91225056 (5069, 5070) | Novel Protein sim. GBank gjl468311[emb]CAB37992] - (AL031432) dJ465N24.2.1 (PUTATIVE novel protein) (isoform 1) [Homo sapiens] | | | 65274572, 35696286, 60432289, 29331828, 66712502, 265006, 60432229, 265017, 265018, 265019, 264288, 264369, 264689, 21906768, 265020, 265021, 264636, 60170394, 22279002 |
| 2536 | 94218540 (5071, 5072) | Novel Protein sim. GBank gjl728836[sp]P39193[ALUS_HUMAN - !!!!! ALU SUBFAMILY SP WARNING ENTRY !!!!! | kinase | | 18108398, 56182575, 35696286, 22278997, 22278999, 60432049, 264259, 29331824, 29331826, 29331827, 29331828, 264905, 264511, 265009, 264910, 264596, 52646317, 18108351, 264681, 264683, 18108354, 264288, 264687, 264769, 264689, 21906765, 21906766, 21906767, 265021, 52645129, 33657109, 18108374, 18108380, 56182323, 18108381, 18108388, 87168518, 60432113, 22279000, 22279002, 264567, 18108391 |
| 2537 | 95422283 (5073, 5074) | Novel Protein sim. GBank gjl4557026[ref]NP_003913.1[pherc - guanine nucleotide exchange factor p532 | ubiquitin | | 65274572, 35696286, 29331822, 29331825, 29331827, 29331828, 35696052, 264906, 66712502, 264909, 265008, 265011, 264760, 264288, 264685, 35695917, 60170615, 264691, 33657023, 65274620, 33657109, 18108374, 35696423, 35695855, 264636, 264558, 60170394, 56182323, 83373044 |
| 2538 | 36853454 (5075, 5076) | | | UNCLASSIFIED | |
| 2539 | 94144916 (5077, 5078) | | | UNCLASSIFIED | 22278996, 22278999, 29331822, 29331825, 29331828, 29146499, 264908, 264112, 60170831, 87168559, 264604, 265019, 264685, 264766, 87168518, 22279000, 264565, 264566 |
| 2540 | 94218545 (5079, 5080) | Novel Protein sim. GBank gjl1362647[pir]S53876 - sex-regulated protein janus A - fruit fly (Drosophila pseudoobscura) | | UNCLASSIFIED | 22278997, 29331828, 265008, 265009, 264758, 265010, 18108351, 264683, 264288, 21906765, 35695917, 265020, 18108374, 264567 |
| 2541 | 95308238 (5081, 5082) | Novel Protein sim. GBank gjl1711658[sp]P54797[T10_MOUSE - SER/THR-RICH PROTEIN T10 IN DGCR REGION | | UNCLASSIFIED | 264488, 264768, 264689, 264511, 20281171, 264634, 264635, 264691, 264639, 29331824, 264603, 264604, 264905, 264907, 264908, 264766 |

| | | | | | |
|------|-----------------------|--|---|--------------|---|
| 2542 | 95298162 (5083, 5084) | Novel Protein sim. GBank gi 5225320 gb AAD40850.1 AF08310 - (AF083107) sirutin type 2 [Homo sapiens] | Contains protein domain (PF00220) - Neurohypophyseal hormones, N- terminal Domain | UNCLASSIFIED | 264488, 18108394, 52646365, 52646842, 65274572, 22278994, 35698286, 22278996, 264259, 52645080, 29331822, 29331824, 29331827, 35696052, 33656970, 264907, 264909, 52644045, 264510, 265008, 264512, 265007, 265008, 265009, 264910, 60431735, 52646317, 52644298, 265010, 265011, 265018, 265019, 18108351, 264683, 264288, 264685, 264687, 52644229, 264769, 21906768, 21906767, 21906769, 52644150, 33657023, 33657109, 52645129, 33657182, 27486261, 27486264, 33657349, 35695763, 18108374, 35696423, 35695855, 264631, 264634, 264635, 264558, 83373044, 18108385, 18108387, 87168518, 264563, 264564 |
| 2543 | 94139088 (5085, 5086) | Novel Protein sim. GBank gi 5419857 emb CAB46374.1 - (AL096723) hypothetical protein [Homo sapiens] | Contains protein domain (PF00076) - RNA recognition motif. (a.k.a. RRM, RBD, or RNP domain) | | 65274572, 56182575, 22278999, 264259, 29331826, 264907, 264510, 264511, 264592, 264595, 264764, 264369, 264288, 264684, 264766, 264689, 21906765, 21906767, 21906769, 60170615, 264692, 264693, 55811576, 65274791, 264636, 264556, 18108381, 60170394, 264639, 18108385, 60432113, 22279000 |
| 2544 | 94218548 (5087, 5088) | Novel Protein sim. GBank gi 2498110 sp Q63191 AEGP_RAT - APICAL ENDOSOMAL GLYCOPROTEIN PRECURSOR | Contains protein domain (PF00629) - MAM domain. | glycoprotein | 18108397, 52646365, 22278997, 264259, 60432049, 29331822, 29331825, 29331826, 29331827, 29331828, 264905, 264908, 265006, 265007, 265008, 87168559, 265017, 265018, 265019, 18108351, 264448, 264686, 264687, 264689, 21906765, 265020, 265021, 18108370, 18108374, 18108376, 18108381, 18108385, 18108387, 56526486, 22279000, 264482, 264563, 264567 |
| 2545 | 87742645 (5089, 5090) | Novel Protein sim. GBank gi 3327046 db BAA31591 - (AB014516) KIAA0616 protein [Homo sapiens] | | | 29331825, 264906, 265009, 60170831, 265017, 264369, 21906767, 60170615, 264692, 33657109 |
| 2546 | 88093861 (5091, 5092) | Novel Protein sim. GBank gi 2996032 (AF054586) - brain finger protein [Rattus norvegicus] | Contains protein domain (PF00097) - Zinc finger, C3HC4 type (RING finger) | UNCLASSIFIED | 29331824, 265007, 22279002 |

| | | | | |
|------|-----------------------|---|---|--|
| 2547 | 94143869 (5093, 5094) | Novel Protein sim. GBank glij4929607[gb]AAD34064.1[AF15182 - (AF151827) CGI-69 protein [Homo sapiens] | Contains protein domain (PF00153) - transport Mitochondrial carrier proteins | 264488, 18108394, 52646842, 18108397, 56182575, 22278995, 56994075, 22278996, 22278997, 22278999, 264259, 29331822, 29331824, 29331826, 60432289, 29331827, 35696052, 29331828, 264104, 264508, 264905, 264906, 264908, 66712502, 264909, 56182435, 265006, 265007, 264512, 265008, 265009, 60170831, 60432229, 60431735, 264594, 60433438, 21906754, 52646317, 265010, 265011, 264600, 264601, 265018, 265019, 264760, 18108351, 264682, 264448, 264288, 264369, 264684, 264686, 264687, 56181562, 264688, 264689, 21906765, 21906766, 21906767, 21906768, 29148627, 21906769, 55811957, 265020, 265021, 265022, 264690, 264691, 18108362, 264692, 264693, 27486261, 18108370, 18108374, 55810764, 55811576, 35696423, 35695855, 264635, 264636, 264555, 264637, 263981, 264557, 18108380, 264638, 56182323, 264558, 264559, 83373044, 18108385, 87168518, 22279002, 264564, 264566, 264496 |
| 2548 | 68179079 (5095, 5096) | | UNCLASSIFIED | 264488, 18108394, 52646365, 22278994, 35696286, 56994075, 22278997, 22278999, 264259, 29331822, 29331824, 29331825, 29331826, 60432289, 29331827, 29331828, 56182435, 264511, 265007, 264512, 60433356, 87168559, 264684, 264369, 52644229, 265021, 33657023, 264692, 18108374, 52644332, 264557, 18108380, 18108381, 18108382, 18108384, 18108385, 60432113, 22279000, 22279002, 264563, 264567 |
| 2549 | 94196893 (5097, 5098) | Novel Protein sim. GBank glij728837[sp]P39194[ALU7_HUMAN - III] ALU SUBFAMILY SQ WARNING ENTRY IIII | Contains protein domain (PF00412) - struct LIM domain containing proteins | 56182575, 22278996, 22278997, 22278998, 22278999, 264259, 264508, 264908, 29331830, 265009, 265010, 265018, 264688, 21906764, 21906765, 21906766, 21906767, 21906769, 265020, 265021, 52644150, 264691, 18108368, 60431602, 18108376, 35696423, 56182323, 18108387, 264567 |
| 2550 | 87778584 (5099, 5100) | Novel Protein sim. GBank glij2143886[pir]j52523 - nucleoporin p62 homolog - rat (fragment) | UNCLASSIFIED | 56182575, 29331822, 264105, 264512, 18108351, 35695917, 264637, 264638 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 2551 | 95308400 (5101, 5102) | Novel Protein sim. GBank gl 4337103 gb AAD18079 - (AF129756) NG26 [Homo sapiens] | Contains protein domain (PF00561) - alpha/beta hydrolase fold | UNCLASSIFIED | 18108396, 55274572, 22278995, 22278998, 22278999, 264259, 29331822, 29331824, 29331825, 60432289, 29331826, 29331827, 264905, 56182435, 265007, 60433438, 55812038, 21906754, 65274444, 265017, 265018, 264605, 265019, 264288, 21906766, 21906768, 21906769, 265020, 60170615, 264693, 33657109, 35696423, 264638, 56182323, 83373044, 22279000 |
| 2552 | 95332620 (5103, 5104) | | | UNCLASSIFIED | 56182575, 35696286, 29331824, 29331826, 35696052, 29331828, 264508, 264907, 56182435, 265008, 264591, 33109954, 264760, 55811957, 35695917, 33657023, 33657109, 18108374, 55811576, 35696423, 35695855, 56182323, 264558 |
| 2553 | 95308243 (5105, 5106) | Novel Protein sim. GBank gl 1711658 sp P54797 T10_MOUSE - SER/THR-RICH PROTEIN T10 IN DGCR REGION | | UNCLASSIFIED | 264686, 264488, 263976, 264768, 29331826, 35696052, 35696423, 264601, 264511, 264602, 264910, 264634, 264760, 264555, 264762, 264906, 264592, 264691, 264566, 264908, 264684, 264567, 264909, 264768 |
| 2554 | 87761520 (5107, 5108) | Novel Protein sim. GBank gl 1728835 sp P39192 ALU5_HUMAN - III ALU SUBFAMILY SC WARNING ENTRY III | cadherin | | 22278997, 29331822, 264508, 21906769, 33657023, 33657109, 56182323 |
| 2555 | 87627551 (5109, 5110) | Novel Protein sim. GBank gl 4884319 emb CAB43260.1 - (AL050084) hypothetical protein [Homo sapiens] | nuclease | | 29331824, 263972 |
| 2556 | 87645533 (5111, 5112) | Novel Protein sim. GBank gl 4106984 (AC003038) - R30923_1 [Homo sapiens] | Contains protein domain (PF00514) - Armadillo/beta-catenin-like repeats | UNCLASSIFIED | 22278998, 264509, 33657402, 264683, 264684, 264766, 264689, 33657023, 33657109, 35695855, 264558, 264567 |
| 2557 | 79437803 (5113, 5114) | Novel Protein sim. GBank gl 119110 sp P03211 EBN1_EBV - EBNA-1 NUCLEAR PROTEIN | | UNCLASSIFIED | 264595 |
| 2558 | 87617591 (5115, 5116) | Novel Protein sim. GBank gl 4538998 emb CAB39619.1 - (AL049481) AIG1-like protein [Arabidopsis thaliana] | | UNCLASSIFIED | 22278997, 29331824, 66714117, 29331825, 264906, 264511, 265018, 264448 |
| 2559 | 88096382 (5117, 5118) | Novel Protein sim. GBank gl 4538998 emb CAB39619.1 - (AL049481) AIG1-like protein [Arabidopsis thaliana] | | UNCLASSIFIED | 22278997, 29331822, 29331828, 60433356, 265011, 264288, 264765, 264766, 264769, 21906765, 21906766, 60432113, 264482 |
| 2560 | 87994530 (5119, 5120) | Novel Protein sim. GBank gl 5051399 emb CAB44995.1 - (AL078630) 573K1.3 (mm17M1-4 (novel 7 transmembrane receptor (rhodopsin family) (olfactory receptor LIKE protein)) [Mus musculus] | Contains protein domain (PF00001) - 7 transmembrane receptor (rhodopsin family) | | |
| 2561 | 88176575 (5121, 5122) | Novel Protein sim. GBank gl 5326825 gb AAD2056.1 AF044953 (NADH:ubiquinol oxidoreductase PGIV subunit [Homo sapiens]) | | UNCLASSIFIED | 22278995, 35696286, 22278996, 22278997, 22278998, 22278999, 264259, 29331822, 29331824, 29331826, 29331827, 29331828, 265007, 60432228, 87168559, 265017, 265018, 265019, 264689, 21906766, 21906769, 35695917, 265020, 33657023, 33657109, 18108374, 264634, 264559, 18108385, 87168518, 22279002 |

| | | | | | |
|------|-----------------------|---|--|------------------|--|
| 2562 | 87645539 (5123, 5124) | Novel Protein sim. GBank gl 4106984 (AC003038) - R30923_1 [Homo sapiens] | | UNCLASSIFIED | 56994075, 22278996, 22278997, 22278999, 264259, 29331822, 60432289, 33657402, 60433356, 21906765, 55811957, 60170615, 33657023, 264693, 35695855, 87168518, 264488, 35696286, 22278999, 264259, 29331822, 29331824, 35696052, 264508, 264907, 264908, 264909, 52644045, 264510, 264511, 265009, 264910, 264591, 264593, 33657402, 265017, 265018, 265019, 18108351, 264686, 21906767, 21906768, 55811957, 35695917, 265020, 264691, 264693, 27486262, 264628, 18108374, 35696423, 35695855, 264632, 264634, 264635, 264639, 264558, 18108384, 87168518, 22279000, 22279002, 264482, 264553, 264565, 264566, 264486, 29331822, 265007, 265010, 265019, 264769, 55811576, 56182323 |
| 2583 | 88095497 (5125, 5126) | Novel Protein sim. GBank gl 4886447 emb CAB43371.1 - (AL050270) hypothetical protein [Homo sapiens] | | UNCLASSIFIED | |
| 2564 | 80502783 (5127, 5128) | Novel Protein sim. GBank gl 1352944 sp P47179 YJ9P_YEAST - HYPOTHETICAL 118.4 KD PROTEIN IN BAT2-DAL5 INTERGENIC REGION PRECURSOR | | sulfotransferase | |
| 2565 | 85530906 (5129, 5130) | | | UNCLASSIFIED | 66714117, 264909, 263978, 264632 |
| 2566 | 80224956 (5131, 5132) | Novel Protein sim. GBank gl 628012 pir A53933 - myosin I myr 4 - rat | Contains protein domain (PF00063) - Myosin head (motor domain) | - struct | 18108370, 35695855, 264556, 264558, 18108383 |
| 2567 | 86143590 (5133, 5134) | | | | 265020, 60170615 |
| 2568 | 91233099 (5135, 5136) | Novel Protein sim. GBank gl 466009 sp P34548 YNU4_CAEEL - HYPOTHETICAL 33.8 KD PROTEIN R10E11.4 IN CHROMOSOME III | | synthase | 60424179, 18108394, 56181686, 56994075, 22278999, 264490, 264259, 29331822, 56182181, 29331824, 60424269, 29331825, 29331826, 29331828, 264509, 29331830, 265007, 265008, 265009, 33657402, 265010, 265011, 265019, 264448, 264683, 264288, 18108354, 264769, 21906766, 21906767, 35695917, 265021, 33657023, 18108362, 33657109, 33657182, 35695763, 60431528, 55810784, 18108379, 83373044, 18108385, 60432113, 264482 |

| | | | | | |
|------|-----------------------|---|--|-------------------|--|
| 2569 | 95313764 (5137, 5138) | Novel Protein sim. GBank gi 2595560 gb AAB84166.1 - (AF029874) basic leucine zipper protein LZIP [Homo sapiens] | Contains protein domain (PF00170) - bZIP transcription factor | transcript factor | 18108394, 56182575, 56181886, 22278995, 22278996, 56994075, 35696286, 22278997, 22278998, 22278999, 264259, 60432049, 29331822, 56182181, 29331824, 29331825, 60432289, 29331826, 29331827, 29331828, 35696052, 264905, 264906, 56182435, 265008, 265009, 264910, 60432229, 264592, 60433356, 60433438, 21906754, 87168559, 265017, 265018, 265019, 264682, 264448, 264288, 21906765, 21906766, 21906767, 21906768, 29148627, 21906769, 35695917, 265021, 265022, 52644150, 264690, 264691, 264692, 264693, 65274620, 263967, 35695763, 20281069, 263974, 18108374, 55810764, 35695823, 35695855, 264558, 18108381, 56182323, 18108382, 83373044, 18108385, 56526486, 87168518, 22279000, 22279002, 264566 |
| 2570 | 94136754 (5139, 5140) | Novel Protein sim. GBank gi 4758954 ref NP_004567.1 pPPP2 - protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform | Contains protein domain (PF01240) - Protein phosphatase 2A regulatory subunit PR55 | phosphatase | 22278996, 29331822, 29331824, 66714117, 29331825, 60432289, 29331827, 35696052, 264907, 264510, 265007, 265009, 264758, 33109954, 265019, 264686, 264689, 265020, 265021, 264691, 264692, 264693, 18108374, 35695855, 264634, 56182323, 264639, 60170394, 83373044, 22279002, 264482 |
| 2571 | 87733750 (5141, 5142) | Novel Protein sim. GBank gi 732218 sp P34609 YO60_CAEEL - HYPOTHETICAL 128.6 KD PROTEIN ZK1098.10 IN CHROMOSOME III | | struct | 264508, 264905, 264907, 264828, 18108351, 264555, 264556, 264557, 264558, 264559 |
| 2572 | 87627560 (5143, 5144) | Novel Protein sim. GBank gi 4884319 emb CAB43260.1 - (AL050084) hypothetical protein [Homo sapiens] | | UNCLASSIFIED | 35696286, 29331827, 35696052, 264100, 264104, 264110, 264592, 21906754, 29148627, 29148629, 263972, 263974, 18108374, 263976, 35695855, 60170394, 264559, 18108385 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 2573 | 95313928 (5145, 5146) | Novel Protein sim. GBank gi 399138 sp P02745 C10A_HUMAN - COMPLEMENT C1Q SUBCOMPONENT, A CHAIN PRECURSOR | Contains protein domain (PF00386) - C1q domain | complement | 264488, 60424179, 65274572, 56182575, 56181686, 22278995, 56994075, 22278997, 60432049, 264259, 29331822, 29331824, 29331825, 60432289, 29331826, 29331827, 29331828, 264104, 264107, 264508, 264906, 29331830, 264909, 264510, 265006, 264512, 265008, 265009, 264910, 264591, 264592, 60432229, 264593, 60433356, 264594, 60433438, 264595, 55812038, 264759, 21906754, 87168474, 265010, 265011, 87168559, 265017, 265018, 265019, 264761, 264762, 264763, 264764, 264369, 264288, 264685, 264766, 264686, 264687, 264688, 264769, 56181562, 264689, 21906765, 21906766, 21906767, 29148627, 21906768, 21906769, 265020, 265021, 265022, 60170615, 264690, 52644150, 264691, 264692, 33657023, 65274620, 18108365, 18108368, 27486265, 60431602, 264629, 60431528, 263976, 65274791, 35695855, 20281071, 60431850, 264637, 264638, 264558, 264639, 56182323, 60170394, 83373044, 18108384, 87168518, 60432113, 264482, 264564, 264565, 264566, 264567, 22278996, 264259, 60432289, 29331827, 29331828, 33656970, 264908, 265008, 264910, 264591, 33657402, 265018, 265019, 264448, 264764, 264369, 264288, 18108357, 21906765, 21906766, 21906768, 55811957, 60170615, 264691, 33657023, 264693, 33657109, 33657182, 27486261, 27486264, 33657349, 264636, 264555, 83373044, 18108385, 264482 |
| 2574 | 94746814 (5147, 5148) | Novel Protein sim. GBank gi 3334982 (AC005306) - R27216_1 [Homo sapiens] | Contains protein domain (PF00651) - BTB/POZ domain | UNCLASSIFIED | |
| 2575 | 87754408 (5149, 5150) | Novel Protein sim. GBank gi 4929729 gb AAD34125.1 AF15188 - (AF151888) CGI-130 protein [Homo sapiens] | | UNCLASSIFIED | |
| 2576 | 95357881 (5151, 5152) | Novel Protein sim. GBank gi 4680681 gb AAD27730.1 AF13295 - (AF132955) CGI-21 protein [Homo sapiens] | Contains protein domain (PF00442) - Ubiquitin carboxyl-terminal hydrolases family 2 | ubiquitin | 264259, 35696052, 264906, 60433438, 264681, 18108351, 264288, 52644150, 264628, 35696423 |
| 2577 | 86996621 (5153, 5154) | Novel Protein sim. GBank gi 4337103 gb AAD18079 - (AF129756) NG26 [Homo sapiens] | | UNCLASSIFIED | 29331825, 265018, 265019, 264685 |
| 2578 | 87786941 (5155, 5156) | | | UNCLASSIFIED | 264488, 264906, 264908, 264910, 264596, 264603, 264604, 264605, 264766, 21906769, 264628, 264630, 264634, 264639, 264563 |
| 2579 | 87282879 (5157, 5158) | | | UNCLASSIFIED | 29331822, 29331824, 264767 |

| | | | | | | |
|------|-----------------------|---|---|-------------------|--|--|
| 2580 | 88166788 (5159, 5160) | Novel Protein sim. GBank gij2588628 (AC003080) - Similar to KIAA0298; 60% similarity to AB002297 (PID:g2224539) [Homo sapiens] | | | | 265007, 265018, 264762 |
| 2581 | 87899048 (5161, 5162) | Novel Protein sim. GBank gij4406842 [gb AAD20049] - (AF131809) Unknown [Homo sapiens] | Contains protein domain (PF00595) - PDZ domain (Also known as DHR or GLGF). | collagen | | 56994075, 29331824, 29331826, 29331828, 264905, 60433358, 60433438, 264758, 87188559, 21906769, 265022, 35695855, 263981 |
| 2582 | 87786789 (5163, 5164) | Novel Protein sim. GBank gij2739367 (AC002505) - putative phosphatidylinositol-4-phosphate 5-kinase [Arabidopsis thaliana] | | eph | | 264488, 264907, 264908, 264910, 264764, 264684, 264766, 264838, 264555, 264565 |
| 2583 | 91220950 (5165, 5166) | Novel Protein sim. GBank gij4378112 [emb CAA16521.1] - (AL021578) dJ453C12.2 (similar to transcription factor RBP-L) [Homo sapiens] | Contains protein domain (PF00047) - Immunoglobulin domain | transcript factor | | 56181686, 264259, 264510, 264512, 264591, 264592, 264593, 264594, 264595, 264596, 264603, 264629, 55810764, 264630, 264637, 264565 |
| 2584 | 80430941 (5167, 5168) | | | UNCLASSIFIED | | 264908, 264910, 264768, 264693, 18108374, 55811576, 56182323 |
| 2585 | 80436126 (5169, 5170) | Novel Protein sim. GBank gij2736151 (AF021935) - myotonic dystrophy kinase-related Cdc42-binding kinase [Rattus norvegicus] | | kinase | | 264768 |
| 2586 | 91226136 (5171, 5172) | | | | | 22278998, 264259, 29331822, 29331824, 29331827, 29331828, 264906, 265007, 265009, 264591, 60433358, 33657402, 265018, 264762, 264288, 21906766, 21906767, 21906769, 265022, 264691, 83373044, 56526486, 22279002 |
| 2587 | 80430943 (5173, 5174) | | | | | 264908, 265019, 264768, 264693, 55811576, 56182323 |
| 2588 | 80074385 (5175, 5176) | | | UNCLASSIFIED | | 264564 |
| 2589 | 85515607 (5177, 5178) | Novel Protein sim. GBank gij3021598 [emb CAA71415] - (Y10389) nuclear protein [Xenopus laevis] | | UNCLASSIFIED | | 35696052, 264905, 264906, 264907, 264908, 264909, 265009, 265018, 264769, 35696423, 264636 |
| 2590 | 87054526 (5179, 5180) | Novel Protein sim. GBank gij2104689 (U92793) - alpha glucosidase II, alpha subunit [Mus musculus] | Contains protein domain (PF01055) - Glycosyl hydrolases family 31 | glucoamylase | | 22278995, 29331830, 265008, 265010, 265017, 264639 |
| 2591 | 94192167 (5181, 5182) | Novel Protein sim. GBank gij5702202 [gb AAD47199.1] (AF129166) long-chain acyl-CoA synthetase 5 [Homo sapiens] | | eph | | 264259, 29331822, 264106, 264906, 56182435, 265007, 265008, 33109954, 264448, 55811957, 265020, 18108370, 55811576, 22279002 |

| | | | | | |
|------|-----------------------|---|---|----------------|---|
| 2592 | 95332648 (5183, 5184) | Novel Protein sim. GBank gi 3024998 sp Q60936 YAB1_MOUSE - HYPOTHETICAL HEART PROTEIN | | transport | 18108397, 56182575, 35696286, 56994075, 264259, 29331822, 29331824, 29331826, 60432289, 29331827, 29331828, 264905, 264909, 265007, 265008, 264910, 60432229, 264594, 60433356, 60433438, 55812038, 18108348, 21906754, 265011, 87168559, 265017, 265019, 264764, 264389, 264288, 264766, 265021, 60170615, 33657023, 33657109, 264629, 35696423, 35695855, 264557, 264638, 60170394, 56182323, 83373044, 56526486, 87168518, 264563, 264482, 264565 |
| 2593 | 87754416 (5185, 5186) | Novel Protein sim. GBank gi 4929729 gb AAD34125.1 AF15188 - (AF15188) CGI-130 protein [Homo sapiens] | | im7 | 22278999, 29331825, 264758, 21906754, 52646317, 265010, 18108351, 264288, 264389, 21906768, 264693, 18108370, 264637, 264638, 264482 |
| 2594 | 95305758 (5187, 5188) | Novel Protein sim. GBank gi 4929587 gb AAD34054.1 AF15181 - (AF15181) CGI-59 protein [Homo sapiens] | | UNCLASSIFIED | 264488, 18108398, 56182575, 35696286, 22278997, 264093, 264259, 29331822, 29331825, 66714117, 29331826, 264905, 264909, 52844045, 56182435, 264510, 264512, 265007, 264757, 21906754, 87168474, 265017, 264760, 264448, 264764, 264288, 264766, 264689, 21906768, 33657109, 263975, 263977, 264634, 264556, 60170394, 56182323, 56526486, 264482, 264563, 264564, 264566, 264567 |
| 2595 | 79561676 (5189, 5190) | Novel Protein sim. GBank gi 4309681 gb AAD15478 - (AC006930) R33423.1 [Homo sapiens] | | UNCLASSIFIED | 264692 |
| 2596 | 87538637 (5191, 5192) | | | UNCLASSIFIED | 22278999, 264259, 265018, 264448, 265021, 60431528 |
| 2597 | 94784089 (5193, 5194) | | | UNCLASSIFIED | 264905, 264509, 264908, 264762, 264766, 35695917, 35695855, 264635, 264636, 83373044, 264486 |
| 2598 | 88094948 (5195, 5196) | Novel Protein sim. GBank gi 1001351 db BAA10838 - (D64006) hypothetical protein [Synechocystis sp.] | | UNCLASSIFIED | 22278998, 264259, 29331824, 87168474, 264683, 21906766, 35695917, 264691, 33657023, 33657109, 18108370, 18108374, 264564, 264565 |
| 2599 | 87842888 (5197, 5198) | Novel Protein sim. GBank gi 3941737 (AF109719) - BAT2 [Mus musculus] | | MHC | 264766, 264769, 21906768, 33657182, 35695763, 18108370, 18108374, 264635, 264636, 56526486, 22279000, 264566 |
| 2600 | 87787846 (5199, 5200) | Novel Protein sim. GBank gi 4263521 gb AAD15347 - (AC004044) putative WD-repeat protein [Arabidopsis thaliana] | Contains protein domain (PF00400) - WD domain, G-beta repeat | kinasereceptor | 35696286, 264093, 264288, 21906769, 35696423, 35695855 |

| | | | | | |
|------|-----------------------|--|--|--------------|--|
| 2601 | 91243070 (5201, 5202) | Novel Protein sim. GBank gi 728837 sp P39194 ALU7_HUMAN - IIII ALU SUBFAMILY SQ WARNING ENTRY IIII | | kinase | 56182575, 22278999, 264259, 29331822, 29331824, 60432289, 29331826, 29331827, 264908, 265007, 265008, 264591, 60433356, 33657402, 60433438, 21906754, 265011, 265018, 265019, 18108351, 264448, 264369, 21906769, 265020, 60170615, 264693, 33657109, 18108370, 18108376, 56182323, 18108381, 18108385, 22279002, 264563 60433438, 21906754, 87168559, 264601, 264369, 264288, 21906767 |
| 2602 | 88180022 (5203, 5204) | Novel Protein sim. GBank gi 4406632 gb AAD20047 - (AF131801) Unknown [Homo sapiens] | | UNCLASSIFIED | 264488, 65274572, 22278995, 22278996, 56994075, 22278997, 22278998, 22278999, 60432049, 264259, 29331822, 29331824, 60432289, 29331826, 29331827, 29331828, 35696052, 56182435, 264113, 265008, 265009, 60433356, 264757, 60433438, 264759, 33657084, 87168474, 265010, 265011, 87168559, 265017, 265018, 265019, 264448, 264683, 18108354, 264288, 264767, 264689, 21906765, 21906766, 21906767, 21906768, 21906769, 55811957, 265020, 265021, 265022, 60170615, 264691, 33657023, 264693, 33657109, 27486262, 18108374, 35696423, 65274791, 35695855, 264555, 264636, 264637, 56182323, 83373044, 56526486, 87168518, 60432113, 22279000 |
| 2604 | 94876601 (5207, 5208) | Novel Protein sim. GBank gi 5454030 ref NP_006468.1 pRRP2 - RAS-related on chromosome 22 | | oncogene | 264259, 35696052, 264508, 264906, 264907, 264908, 264909, 264510, 264512, 265008, 264910, 33657402, 264604, 264605, 264762, 264763, 264682, 264764, 264683, 264768, 264769, 264689, 33657023, 264693, 18108365, 264628, 35696423, 264631, 264632, 264634, 264635, 264637, 18108381, 264639, 83373044, 264565 |
| 2605 | 94316756 (5209, 5210) | Novel Protein sim. GBank gi 3628745 db BAA33366 - (AB013721) mllisugumin 23 [Oryctolagus cuniculus] | | UNCLASSIFIED | 22278998, 264490, 60432049, 264259, 60432289, 264909, 265008, 60433356, 60433438, 264758, 21906754, 265010, 265011, 265018, 264681, 18108351, 264288, 264766, 264685, 21906765, 21906766, 21906768, 21906769, 264691, 264692, 264693, 65274791, 264634, 264555, 264636, 22278996, 264510, 264512, 265009, 264766, 22279002, 264566 |
| 2606 | 87746408 (5211, 5212) | | | | |

| | | | | | |
|------|-----------------------|---|---|-------------------|--|
| 2607 | 87627742 (5213, 5214) | Novel Protein sim. GBank gij4826626 gb AAD30202.1 - (AF135022) mediator [Homo sapiens] | | | 29331822, 29331825, 29331826, 29331827, 29331828, 264906, 264907, 264908, 56712502, 264828, 56182435, 55812038, 265010, 265017, 265018, 265019, 264768, 264689, 21906765, 55811957, 265020, 265022, 264692, 33657023, 264693, 33657109, 18108370, 264639, 56182323, 264509, 264907, 264908, 264592, 264758, 264631 |
| 2608 | 81734786 (5215, 5216) | Novel Protein sim. GBank gij2226005 (U49973) - ORF2: function unknown [Homo sapiens] | | | |
| 2609 | 94843791 (5217, 5218) | Novel Protein sim. GBank gij3024889 pIP56524 Y288_HUMAN - HYPOTHETICAL PROTEIN KIAA0288 (HA6116) | Contains protein domain (PF00850) - Histone deacetylase family | histone | 264488, 65274572, 35696286, 22278997, 22278999, 60432049, 264259, 56182181, 29331824, 29331825, 29331826, 60432289, 29331827, 29331828, 264905, 264907, 60433356, 60433438, 55812038, 265011, 87168559, 265017, 265018, 264448, 264765, 264288, 264766, 264689, 21906765, 21906767, 21906769, 265020, 265021, 264691, 264692, 33657109, 27486261, 18108370, 65274791, 264636, 264556, 56182323, 18108385, 56526486 |
| 2610 | 8817654 (5219, 5220) | Novel Protein sim. GBank gij4336855 gb AAD17989 - (AF106473) leucine-rich-domain inter-acting protein 1; LeR inter-acting protein 1; LEAP1 [Mus musculus] | | transcript factor | 18108394, 22278994, 56994075, 60432049, 264259, 29331822, 29331825, 60432289, 29331827, 264107, 264109, 264905, 56182435, 264112, 265006, 265007, 265008, 265009, 60433356, 60433438, 265011, 87168559, 265017, 264448, 264682, 264764, 264288, 265021, 33657023, 263967, 33657182, 27486261, 18108374, 263976, 55811576, 264638, 87168518, 60432113 |
| 2611 | 87428890 (5221, 5222) | Novel Protein sim. GBank gij3876761 emb CAA92994 - (Z68760) predicted using GeneFinder. Similarity to Mouse FK506-binding protein (SW:FKB3_MOUSE) [Caenorhabditis elegans] | Contains protein domain (PF006254) - FKBP-type peptidyl-prolyl cis-trans isomerases | isomerase | 22278999, 265017, 264684, 21906768, 22279000 |
| 2612 | 87771198 (5223, 5224) | Novel Protein sim. GBank gij5679136 gb AAD46874.1 AF16093 - (AF160934) BcDNA.LD14189 [Drosophila melanogaster] | | transport | 265009, 264910, 264759, 265017, 21906767, 18108365, 18108388, 60432113 |
| 2613 | 79481496 (5225, 5226) | | | UNCLASSIFIED | 264685 |
| 2614 | 87643948 (5227, 5228) | Novel Protein sim. GBank gij5533081 gb AAD45009.1 AF16118 - (AF161181) P55T protein [Mus musculus] | Contains protein domain (PF00625) - Guanylate kinase | | 22278998, 22278999, 29331825, 264508, 264906, 21906754, 264602, 264766, 264769, 52644229, 21906765, 33657109, 27486264, 18108370, 263972, 264555, 60432113 |
| 2615 | 87381996 (5229, 5230) | | | UNCLASSIFIED | 264768, 18108394, 264692, 264693, 264508, 264509, 264907, 264628, 264908, 264909, 18108377, 264511, 264512, 264910, 264635, 264595, 265010, 264404, 264563, 264764, 264685, 264766 |

| | | | | | |
|------|-----------------------|--|--|---------------|--|
| 2616 | 87428895 (5231, 5232) | Novel Protein sim. GBank gl 387676 emb CAA92994 - (Z68760) predicted using GeneFinder; Similarity to Mouse FK506-binding protein (SW:FKB3_MOUSE) [Caenorhabditis elegans] | Contains protein domain (PF00254) - FKBP-type peptidyl-prolyl cis-trans isomerases | isomerase | 22278995, 22278997, 22278998, 60432049, 60432289, 264828, 60433356, 264594, 60433438, 33109954, 87168474, 265011, 265017, 265019, 264288, 264766, 21906765, 21906767, 265020, 265021, 18108376, 18108377, 18108387, 87168518, 264482, 264567 |
| 2617 | 86976888 (5233, 5234) | Novel Protein sim. GBank gl 728831 sp P39188 ALU1_HUMAN - IIII ALU SUBFAMILY J WARNING ENTRY IIII | | kinase | 265010, 265019, 264369, 264693, 55811576, 22279002 |
| 2618 | 91231662 (5235, 5236) | Novel Protein sim. GBank gl 3319282 (AF049103) - Huntingtin interacting protein [Homo sapiens] | Contains protein domain (PF00397) - WW domain | UNCLASSIFIED | 264489, 22278996, 264490, 264259, 29331822, 264102, 264509, 264906, 264907, 66712502, 29331830, 265008, 264910, 265009, 60433356, 60433438, 264758, 21906754, 265011, 87168559, 265017, 265018, 264369, 264288, 264766, 264768, 264689, 21906765, 21906766, 21906767, 35695917, 265020, 265022, 33657023, 264692, 33657109, 264628, 18108374, 35695855, 18108381, 83373044, 18108385, 18108388, 56528486, 264563 |
| 2619 | 87694000 (5237, 5238) | Novel Protein sim. GBank gl 2431772 (U66411) - putative type III alcohol dehydrogenase [Drosophila melanogaster] | Contains protein domain (PF00465) - Iron-containing alcohol dehydrogenases | dehydrogenase | 264259, 60432289, 60433438, 21906754, 264369, 60432113, 264566 |
| 2620 | 95314841 (5239, 5240) | Novel Protein sim. GBank gl 4322567 gb AAD16097 - (AF090436) dachshund variant 1 [Mus musculus] | Contains protein domain (PF00628) - PHD-finger | UNCLASSIFIED | 52644507, 52645156, 52646842, 65274572, 22278995, 56994075, 35696286, 22278999, 60432049, 264259, 52645080, 29331822, 29331824, 29331825, 29331826, 29331828, 35696052, 264907, 66712502, 265008, 60433356, 33657402, 52646317, 21906754, 87168474, 265010, 265017, 265018, 264448, 264369, 264288, 264687, 264768, 52644229, 264688, 264689, 21906765, 21906768, 35695917, 52644150, 264692, 33657109, 35695763, 35696423, 264556, 52644332, 18108382, 83373044, 18108385, 18108387, 65274727, 87168518, 60432113, 22279002 |
| 2621 | 80253495 (5241, 5242) | | | | 264594, 264636 |
| 2622 | 81780390 (5243, 5244) | Novel Protein sim. GBank gl 4557341 ref NP_001174.1 pATP6 - ATPase, H+ transporting, lysosomal subunit 1; vacuolar proton pump; H-ATPase subunit | | | 264488, 264906, 264907, 264908, 264512, 265007, 264758, 35695917, 264634, 264636, 264563, 264482 |
| 2623 | 91639306 (5245, 5246) | Novel Protein sim. GBank gl 3880355 emb CAB05299 - (Z82285) predicted using GeneFinder [Caenorhabditis elegans] | | UNCLASSIFIED | 29331824, 35696052, 265007, 265010, 264288, 29148629 |

| | | | | |
|------|-----------------------|--|---|--|
| 2624 | 91639308 (5247, 5248) | Novel Protein sim. GBank gi 3880355 emb CAB05299 - (Z82286) predicted using GeneFinder [Caenorhabditis elegans] | UNCLASSIFIED | 56181686, 22278996, 22278997, 22278998, 22278999, 264259, 29331822, 29331824, 56182181, 29331825, 60432289, 29331828, 35696052, 29146499, 68712502, 52644045, 265007, 265008, 60433356, 33109954, 21906754, 265010, 265011, 265019, 264448, 264288, 21906765, 21906766, 21906767, 29148629, 35695917, 265021, 265022, 27486265, 18108370, 60431528, 55811576, 35695855, 56182323, 18108385, 87168518, 22279002, 18108391 |
| 2625 | 86452068 (5249, 5250) | Novel Protein sim. GBank gi 2867429 dbj BAA24857 - (AB007887) KIAA0427 [Homo sapiens] | UNCLASSIFIED | 264091, 264511, 263981 |
| 2626 | 16533797 (5251, 5252) | Novel Protein sim. GBank gi 487416 (L20302) - actin filament protein [Gallus gallus] | struct | 265008 |
| 2627 | 87636823 (5253, 5254) | Novel Protein sim. GBank gi 88462 pir J27307 - proline-rich phosphoprotein [gene PRH1, Db allele] - human | UNCLASSIFIED | 22278996, 265007, 265009, 264448, 21906767, 265021, 264558, 87168518 |
| 2628 | 94848254 (5255, 5256) | Novel Protein sim. GBank gi 3123552 emb CAA18609 - (AL022578) dJ393P12.2 (hypothetical Proline-rich protein KIAA0269 LIKE) [Homo sapiens] | UNCLASSIFIED | 22278997, 22278999, 264259, 60432049, 29331822, 29331824, 29331825, 29331827, 35696052, 29331828, 264907, 264909, 265008, 264591, 60433356, 60433438, 265010, 265017, 265018, 264369, 264288, 18108357, 21906765, 21906768, 265022, 65274791, 264638, 18108387, 87168518, 22279002 |
| 2629 | 87376490 (5257, 5258) | Novel Protein sim. GBank gi 4929595 gb AAD34058.1 AF15182 - (AF151821) CGI-63 protein [Homo sapiens] | synthase | 29331825, 29331826, 264102, 265006, 264766, 35695917, 264691, 33657023, 263972, 18108374, 22279000 |
| 2630 | 79188364 (5259, 5260) | Novel Protein sim. GBank gi 321605 pir JQ1161 - Gag protein - Visna virus (strain EV1) | UNCLASSIFIED | 264636, 18108385 |
| 2631 | 94845909 (5261, 5262) | | Contains protein domain (PF000098) - dna_ma_bind Zinc finger, CCHC class | 52644507, 52645156, 52646365, 52646842, 22278994, 22278995, 35696288, 56994075, 22278997, 22278999, 264259, 52645080, 29331822, 29331824, 29331825, 29331826, 29331827, 29331828, 35696052, 33656970, 264905, 264509, 264907, 264908, 264511, 264512, 265007, 265008, 264910, 52646317, 33657084, 52644296, 265010, 87168559, 265017, 265018, 265019, 264760, 264762, 264448, 264288, 264369, 264766, 264768, 52644229, 21906764, 21906765, 21906766, 21906767, 21906769, 35695917, 265020, 52644150, 33657023, 52645129, 33657109, 33657182, 27486261, 27486262, 27486265, 33657349, 35695763, 35696423, 65274791, 35695855, 264634, 264637, 52644332, 56182323, 60432113, 264566, 264486 |
| 2632 | 36730414 (5263, 5264) | | | 264685 |

| | | | | |
|------|-----------------------|---|--|--|
| 2633 | 95011617 (5265, 5266) | Novel Protein sim. GBank gij1139548[dbj BAA10889] - (D64009) seizure-related gene product 6 type 2 precursor [Mus musculus] | Contains protein domain (PF00084) - Sushi domain (SCR repeat) | 22278995, 22278997, 22278998, 264259, 29331822, 29331824, 29331825, 29331827, 264508, 264906, 265008, 265007, 265008, 265009, 55812038, 33657084, 55811388, 265010, 265011, 87168559, 265018, 265019, 264683, 264288, 264686, 29148629, 33657023, 264693, 33657182, 35695763, 55811578, 264639, 56182323, 83373044, 18108385, 56526486, 87168518, 22279000, 22279002, 264565 |
| 2634 | 87330921 (5267, 5268) | Novel Protein sim. GBank gij5441611[emb CAB46854.1] - (AJ388555) hypothetical protein [Canis familiaris] | UNCLASSIFIED | 29331826, 263972, 264089 |
| 2635 | 86623144 (5269, 5270) | Novel Protein sim. GBank gij4680683[gb AAD27721.1 AF13294 - (AF132946) CGI-12 protein [Homo sapiens] | | 22278997, 264259, 29331824, 66714117, 29331827, 29331828, 264907, 33657084, 265017, 265018, 264448, 264288, 21906766, 21906767, 21906768, 29148629, 18108376, 55811578, 35695855, 87168518, 22279000, 264569, 29331822, 29331828, 265006, 60170831, 264681, 264765, 264685, 29148627, 21906769, 29148784, 265022, 60170815, 264635, 18108385, 56526486, 22279002, 264567 |
| 2636 | 87260534 (5271, 5272) | Novel Protein sim. GBank gij3879146[emb CAB07646] - (Z93386) Similarly to Yeast hypothetical 52.9 KD protein (SW:P43616); cDNA EST EMBL:M89432 comes from this gene; cDNA EST EMBL:D71008 comes from this gene; cDNA EST EMBL:D73578 comes from this gene; cDNA EST EMBL:D69025 comes ... | Contains protein domain (PF01546) - Peptidase family M20/M25/M40 | |
| 2637 | 95011298 (5273, 5274) | Novel Protein sim. GBank gij4758208[ref NP_004081.1 pDUSP - dual specificity phosphatase 3 (vaccinia virus phosphatase VH1-related) | Contains protein domain (PF00782) - Dual specificity phosphatase, catalytic domain | 264488, 264489, 52644507, 264887, 52646355, 32646842, 22278994, 22278996, 22278999, 20281171, 264259, 29331822, 52645080, 66714117, 29331825, 29331826, 29331827, 35696052, 29331828, 29146498, 264508, 264905, 264906, 264907, 264908, 264909, 264511, 264512, 264910, 264591, 264592, 60432229, 264593, 264594, 33657402, 60433356, 264757, 60433438, 264596, 264758, 52646317, 21906754, 52644296, 265010, 264600, 264602, 264603, 264605, 264761, 264762, 264681, 264448, 264764, 264765, 264288, 264766, 264686, 264768, 264687, 264769, 21906765, 21906766, 21906767, 21906768, 21906769, 35695917, 265021, 60170815, 264691, 33657023, 264692, 264693, 65274620, 27486264, 18108370, 264628, 264629, 18108374, 35696423, 35695855, 264632, 264634, 264635, 264637, 264638, 52644332, 264639, 264558, 83373044, 60432113, 264564, 264565, 264566, 264486, 264567 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 2638 | 94326733 (5275, 5276) | Novel Protein sim. GBank gij4929899 gb AAD34105.1 AF15186 - (AF15186) CGI-110 protein [Homo sapiens] | Contains protein domain (PF00076) - RNA recognition motif. (a.k.a. RRM, RBD, or RNP domain) | UNCLASSIFIED | 60424179, 52644507, 52646842, 18108398, 56182575, 22278995, 22278996, 35696286, 22278997, 22278999, 264259, 60432049, 29331822, 60424269, 29331826, 35696052, 29146498, 264905, 52644045, 56182435, 60433358, 33657402, 55812038, 55811386, 265019, 264288, 264769, 52844229, 56181562, 29148627, 29148629, 55811957, 29148784, 35695917, 265021, 52644150, 33657023, 65274620, 33657109, 35695763, 18108374, 55810764, 35696423, 55811576, 35695855, 60431850, 56182323, 60432113, 264404 |
| 2639 | 95361346 (5277, 5278) | Novel Protein sim. GBank gij2190007 dbj BAA20355 - (AB004109) phosphatidylserine synthase II [Cricetulus griseus] | | synthase | 264488, 29331825, 35696052, 264508, 264509, 264909, 264512, 33657402, 60433438, 264758, 85658542, 264600, 265020, 265021, 33657109, 264628, 35696423, 264555, 264639, 264563, 264564, 264565, 264566, 264486 |
| 2640 | 87781330 (5279, 5280) | Novel Protein sim. GBank gij3158516 (AF067617) - contains similarity to chromo (chromatin organization modifier) domains (Pfam: chromo.hmm, score: 17.76 and 27.94) and to helicases conserved C-terminal domain (Pfam: helicase_C.hmm, score: 67.00) [Caenorhabditis elegans] | Contains protein domain (PF00271) - Helicases conserved C-terminal domain | helicase | 29331822, 29331826, 264906, 33109954, 265017, 265019, 21906768, 35695763, 264636, 264637, 18108387 |
| 2641 | 11669834 (5281, 5282) | | | | |
| 2642 | 87412575 (5283, 5284) | Novel Protein sim. GBank gij2584955 (AF030001) - unknown [Mus musculus] | | UNCLASSIFIED | 264828 |
| 2643 | 87643961 (5285, 5286) | Novel Protein sim. GBank gij4490304 emb CAB38795.1 - (AL035678) putative protein [Arabidopsis thaliana] | Contains protein domain (PF00270) - DEAD/DEAH box helicase | UNCLASSIFIED | 264259, 29331822, 33657402, 265019, 264369, 264691, 264634, 56526486, 22279002 |
| 2644 | 88177671 (5287, 5288) | Novel Protein sim. GBank gij3789797 gb AAC67502.1 - (AF059569) actin binding protein MAYVEN [Homo sapiens] | | helicase | 22278997, 264259, 29146499, 56182435, 264910, 265010, 18108351, 264682, 264683, 264369, 264684, 264685, 264686, 29148627, 264690, 33657109, 18108370, 263973, 18108374, 264634, 264557, 264558, 18108385, 264482 |
| 2645 | 17277228 (5289, 5290) | | Contains protein domain (PF00651) - BTB/POZ domain | nucl_recpt | 264107, 264687 |
| 2646 | 94148542 (5291, 5292) | Novel Protein sim. GBank gij1708722 sp P49749 EYX2_MOUSE - HOMEBOX EVEN SKIPPED HOMOLOG PROTEIN 2 (EYX-2) | | UNCLASSIFIED | 265007 |
| | | | | UNCLASSIFIED | 264909, 264687, 264632, 83373044 |

| | | | | | |
|------|-----------------------|---|---|-------------------|---|
| 2647 | 91212878 (5283, 5284) | | | UNCLASSIFIED | 56182575, 22278996, 35696286, 22278998, 264259, 29331822, 56182181, 29331825, 60424269, 604322289, 35696052, 66712502, 264908, 265007, 55812038, 33109954, 21906754, 33657084, 265019, 264448, 264288, 56181562, 21906765, 21906766, 21906768, 21906769, 35695917, 265020, 265021, 52644150, 264693, 33657109, 33657349, 60431528, 18108374, 55810764, 35696423, 56182323, 60432113, 22279002, 264564 |
| 2648 | 87600587 (5295, 5296) | | | | 29146498, 56182435, 33109954, 265011, 264682, 55811957, 35695917, 264690, 263976, 18108377, 35696423, 60432113 |
| 2649 | 94128783 (5297, 5298) | Novel Protein sim. GBank gi 3041852 (AC004539) - unknown function; similar to Y09105 (PID:g1666171) [Homo sapiens] | | UNCLASSIFIED | 56182575, 35696286, 22278998, 29331824, 29331826, 604322289, 66712502, 56182435, 60170831, 60432229, 33657402, 33109954, 21906754, 265017, 264686, 264688, 21906765, 21906768, 60170815, 264693, 263967, 18108370, 263976, 60170394, 60432113, 22279002, 264563 |
| 2650 | 87297533 (5299, 5300) | Novel Protein sim. GBank gi 5360271 [dbj BAA81908.1] - (AB0293335) HrPET-3 [Halocynthia roretzi] | | | 264685 |
| 2651 | 68088745 (5301, 5302) | Novel Protein sim. GBank gi 4240225 [dbj BAA74891.1] - (AB020675) KIAA0868 protein [Homo sapiens] | Contains protein domain (PF000054) - synthase Laminin G domain | | 29331824, 29331826, 29331827, 265007, 55812038, 21906754, 18108366, 18108384, 22279002, 264567 |
| 2652 | 10343125 (5303, 5304) | | | UNCLASSIFIED | 264692 |
| 2653 | 87798735 (5305, 5306) | Novel Protein sim. GBank gi 4493956 [emb CAB11123.2] - (Z98551) predicted using hexExon; MAL3P6.28 (PFC0845c), Hypothetical protein, len: 167 aa. Similarity to model organism hypothetical proteins (C.elegans, D.melanogaster, S.cerevisiae & S.pombe), C.elegans protein ZK287.5 (TR.... | | UNCLASSIFIED | 265018, 18108370, 18108387, 264566 |
| 2654 | 95103240 (5307, 5308) | | | | 60424179, 65274572, 56182575, 264259, 56182181, 284908, 56182435, 55811957, 35695917, 265021, 263976, 55810764, 65274791, 56182323, 83373044, 65274727 |
| 2655 | 91229018 (5309, 5310) | Novel Protein sim. GBank gi 3875272 [emb CAB02861] - (Z81051) predicted using GeneFinder; similar to Zinc finger, C3HC4 type (RING finger); cDNA EST yk443h5.3 comes from this gene; cDNA EST yk443h5.5 comes from this gene [Caenorhabditis elegans] | Contains protein domain (PF00097) - Zinc finger, C3HC4 type (RING finger) | transcript factor | 56182575, 56181686, 264092, 264259, 56182181, 604322289, 264907, 33657402, 55812038, 21906754, 87168559, 265017, 264448, 264369, 264288, 21906765, 21906766, 21906767, 21906768, 33657109, 18108370, 264628, 55811576, 264556, 264639, 83373044, 56526486, 264404, 60432113 |
| 2656 | 84562601 (5311, 5312) | Novel Protein sim. GBank gi 3043719 [dbj BAA25523] - (AB011169) KIAA0597 protein [Homo sapiens] | | | 264693 |

| | | | | | | |
|------|-----------------------|--|--|---|---------------|--|
| 2657 | 52561728 (5313, 5314) | Novel Protein sim. GBank glj5689509[dbj]BAA83038.1] - (AB029009) KIAA1086 protein [Homo sapiens] | | | dna_rna_bind | 264693 |
| 2658 | 88062454 (5315, 5316) | Novel Protein sim. GBank glj3686089 (AC005757) - R32611_1 [Homo sapiens] | | Contains protein domain (PF00560) - Leucine Rich Repeat | nucleaseinhib | 35696286, 264259, 29331822, 29331824, 29331826, 29331828, 265019, 264683, 21906768, 35695917, 264693, 35695855, 264637, 87188518, 264488, 264567 |
| 2659 | 87600755 (5317, 5318) | Novel Protein sim. GBank glj5420387[emb]CAB46679.1] - (AJ243459) proteophosphoglycan [Leishmania major] | | Contains protein domain (PF01426) - BAH domain | UNCLASSIFIED | 264909, 264910, 265018, 264369, 264769, 21906769, 264693, 263972, 18108388 |
| 2660 | 91718472 (5319, 5320) | Novel Protein sim. GBank glj728837[sp]P39194[ALU7_HUMAN - IIII ALU SUBFAMILY SQ WARNING ENTRY IIII] | | Contains protein domain (PF000036) - EF hand | kinase | 264488, 65274572, 35696286, 22278998, 22278999, 264259, 29331822, 29331824, 60432289, 29331826, 35696052, 264908, 56182435, 265008, 265009, 60433356, 264594, 265010, 265018, 55811150, 18108351, 264682, 264684, 264369, 264288, 264687, 21906765, 29148784, 35695917, 60170615, 52644150, 33657023, 33657109, 35696423, 35695855, 264556, 60170394, 18108385, 22279000, 22279002 |
| 2661 | 95342817 (5321, 5322) | Novel Protein sim. GBank glj4758048[ref]NP_004739.1]pCPR8 - cell cycle progression 8 protein | | | glycoprotein | 60432049, 264259, 29331824, 29331825, 29331826, 29331827, 29331828, 284906, 264909, 264593, 33109954, 265010, 265017, 265018, 265019, 264760, 264448, 264369, 264288, 21906765, 21906768, 265022, 264691, 33657023, 27488262, 60431528, 18108374, 35695855, 18108388, 264482 |
| 2662 | 80228739 (5323, 5324) | Novel Protein sim. GBank glj3874714[emb]CAA91263] - (Z66494) similar to choline dehydrogenase; cDNA EST yk346d5.5 comes from this gene; cDNA EST yk346d5.3 comes from this gene [Caenorhabditis elegans] | | | dehydrogenase | 264555, 264556, 264558, 264486 |
| 2663 | 87780623 (5325, 5326) | Novel Protein sim. GBank glj1389670 (U58977) - Notch homolog Scalloped wings [Lucilia cuprina] | | | | 264906, 264909, 264757, 264758, 264767, 264691, 33657023, 264638 |
| 2664 | 85518329 (5327, 5328) | Novel Protein sim. GBank glj1389670 (U58977) - Notch homolog Scalloped wings [Lucilia cuprina] | | Contains protein domain (PF00008) - EGF-like domain | oncogene | 35696286, 264509, 264595, 264288, 264685, 264686 |
| 2665 | 87770662 (5329, 5330) | Novel Protein sim. GBank glj4884406[emb]CAB43311.1] - (AL050190) hypothetical protein [Homo sapiens] | | | UNCLASSIFIED | 35696286, 22278999, 29331822, 35696052, 264906, 264907, 264909, 264510, 264511, 264512, 264593, 60433438, 265019, 264681, 21906765, 21906766, 21906767, 21906768, 265020, 265022, 35696423, 35695855, 22279002, 264482, 264486 |
| 2666 | 87826472 (5331, 5332) | Novel Protein sim. GBank glj5106956[gb]AAD39906.1]AF11361 - (AF113615) FH1/FH2 domain-containing protein FHOS [Homo sapiens] | | | UNCLASSIFIED | 29331825, 265007, 264910, 60432229, 265019, 264288, 21906767, 264558, 22279002 |
| 2667 | 87422720 (5333, 5334) | Novel Protein sim. GBank glj2500570[sp]Q17533[RNPH_CAEEL - RIBONUCLEASE PH-LIKE PROTEIN B0584.1] | | Contains protein domain (PF01138) - 3' exoribonuclease family | nuclease | 264907, 29331830, 264681, 264683, 264288, 35695855, 264632, 264556, 264557, 264558, 264559, 264563, 264565, 264567 |

| | | | | |
|------|-----------------------|--|---|---|
| 2668 | 91216716 (5335, 5336) | Novel Protein sim. GBank gi 5454186 ref NP_006327.1 pZYG - ZYG homolog | UNCLASSIFIED | 56181686, 35696286, 22278998, 22278999, 56182181, 29331824, 60424289, 29331825, 35696052, 29331826, 66712502, 56182435, 60433356, 264758, 21906754, 55811386, 265011, 87168559, 265017, 265019, 55811150, 264448, 264369, 264288, 21906765, 21906766, 21906768, 55811957, 35695917, 265020, 265021, 33657023, 264692, 33657109, 35695763, 60431528, 18108374, 35696423, 55811576, 264634, 60431850, 83373044, 18108385, 87168518, 22279000, 264563, 264564 |
| 2669 | 95415721 (5337, 5338) | Novel Protein sim. GBank gi 2147012 pir JC4899 - proline rich protein - rat | | 264489, 264689, 21906767, 65274572, 56182575, 21906768, 29148627, 21906769, 29148629, 35696286, 35695917, 22278998, 22278998, 265021, 265022, 60170615, 52644150, 60432049, 264259, 264691, 33657023, 264692, 29331822, 29331824, 29331825, 60432289, 33657109, 29331826, 29331827, 35696052, 29331828, 29146498, 29146499, 264905, 264908, 52644045, 264909, 56182435, 35696423, 65274791, 35695855, 265006, 264910, 264635, 60432229, 264592, 264638, 56182323, 60433356, 60170394, 80433438, 264559, 264595, 55812038, 33109954, 87168559, 60432113, 265019, 264448, 264369, 264684, 264288 |
| 2670 | 87613234 (5339, 5340) | Novel Protein sim. GBank gi 1723523 sp Q10362 YDBB_SCHPO - HYPOTHETICAL 94.9 KD PROTEIN C22E12.11C IN CHROMOSOME 1 | Contains protein domain (PF00628) - PHD-finger | 18108370, 263974 |
| 2671 | 91214936 (5341, 5342) | Novel Protein sim. GBank gi 4768277 gb AAD29444.1 AF06425 - (AF064255) very long-chain acyl-CoA synthetase homolog 2; VLC-S-H2 [Homo sapiens] | transport | 52646842, 56994075, 264259, 29331822, 29331824, 29331825, 29331827, 33656870, 264509, 265006, 33109954, 21906754, 264682, 264288, 265021, 33657023, 33657109, 33657182, 27486261, 27486262, 27486265, 18108376, 18108385 |
| 2672 | 87399123 (5343, 5344) | Novel Protein sim. GBank gi 4966346 gb AAD34677.1 AC00634 - (AC006341) Contains two PF01344 Kelch motif domains. [Arabidopsis thaliana] | UNCLASSIFIED | 264767 |

| | | | | | |
|------|-----------------------|---|---|------------------|--|
| 2673 | 87430749 (5345, 5346) | Novel Protein sim. GBank gl 5457337 emb CAB41505.2 - (AJ236876) poly(ADP-ribose) polymerase-2 (Homo sapiens) | Contains protein domain (PF00644) - Poly(ADP-ribose) polymerase catalytic region. | polymerase | 22278995, 22278996, 22278997, 22278999, 29331822, 29331824, 29331828, 35696052, 60433438, 87168474, 87168559, 265017, 265018, 265019, 264448, 21906768, 21906769, 265020, 265021, 33657109, 27486262, 35695763, 60431850, 60170394, 87168518, 264563 |
| 2674 | 94847721 (5347, 5348) | Novel Protein sim. GBank gl 4758824 ref NP_004280.1 pNRF3 - nuclear factor (erythroid-derived 2)-like 3 | Contains protein domain (PF00170) - bZIP transcription factor | transcriptfactor | 264488, 22278996, 35696286, 264091, 264259, 29331824, 29331826, 35696052, 264511, 55812038, 85658542, 264766, 21906765, 35695917, 264629, 35696423, 18108383, 87168518 |
| 2675 | 79563835 (5349, 5350) | | | UNCLASSIFIED | 264691 |
| 2676 | 79628393 (5351, 5352) | | | UNCLASSIFIED | 264906, 265008 |
| 2677 | 94329600 (5353, 5354) | Novel Protein sim. GBank gl 1079042 pir S52154 - acetyl-CoA synthetase - fruit fly (Drosophila melanogaster) | Contains protein domain (PF00501) - AMP-binding enzyme | synthase | 18108394, 65274572, 56182575, 22278994, 22278995, 56994075, 22278996, 35696286, 22278997, 264490, 264259, 52645080, 29331824, 29331825, 60432289, 29331827, 29331828, 35696052, 29146499, 29331830, 264908, 52644045, 265006, 265007, 265008, 265009, 60432229, 60433356, 60433438, 55812038, 265010, 265011, 87168559, 265017, 265019, 18108351, 264682, 264448, 264683, 264288, 21906765, 21906766, 21906767, 21906768, 21906769, 55811957, 265020, 265021, 60170615, 52644150, 264691, 33657023, 263967, 33657109, 27486264, 27486265, 33657349, 35695763, 18108370, 18108374, 18108377, 55811576, 35696423, 35695855, 83373044, 18108387, 22279000, 22279002, 264584 |

| | | | | | |
|------|-----------------------|---|--|-------------------|---|
| 2678 | 95001694 (5355, 5356) | Novel Protein sim. GBank gij86760 prij A40465 - alanine transaminase (EC 2.6.1.2), cytosolic - human | | UNCLASSIFIED | 264488, 263994, 264489, 18108394, 52646842, 35696286, 22278999, 264259, 29331825, 35696052, 264508, 264905, 264509, 264906, 264907, 264908, 264909, 264510, 264511, 265006, 264512, 265007, 265008, 264910, 265009, 264593, 264594, 264596, 264758, 3310954, 52646317, 21906754, 265010, 265011, 87168559, 264600, 264601, 264602, 264603, 265017, 265019, 264605, 264760, 264762, 18108351, 264763, 264682, 264683, 264764, 264288, 264766, 264687, 264768, 264769, 264689, 21906765, 21906767, 35695917, 265020, 265021, 52644150, 264691, 33657023, 264693, 18108384, 18108385, 33657109, 33657349, 264628, 18108374, 35696423, 35695855, 264630, 264631, 264632, 264634, 264635, 264555, 264636, 264637, 264638, 264639, 18108385, 264563, 264564, 264565, 264566, 264486, 264567 |
| 2679 | 95361544 (5357, 5358) | Novel Protein sim. GBank gij1709233 sp P07514 NC5R_BOVIN - NADH-CYTOCHROME B5 REDUCTASE | Contains protein domain (PF00970) - FAD/NAD-binding Cytochrome reductase | reductase | 264488, 22278996, 35696286, 264259, 29331826, 29331827, 29331828, 264909, 56182435, 264113, 264511, 265008, 60433438, 264758, 85658542, 87168474, 265011, 265017, 265019, 264288, 21906766, 21908767, 21906768, 21906769, 55811957, 265021, 264690, 33657023, 55810784, 35696423, 55811576, 264631, 18108381, 60170394, 83373044, 87168518, 264566 |
| 2680 | 87800356 (5359, 5360) | Novel Protein sim. GBank gij4589604 dbj BAA76824.1 - (AB023197) KIAA0980 protein [Homo sapiens] | Contains protein domain (PF00036) - EF hand | struct | 264259, 264102, 264905, 264908, 265007, 265008, 33109954, 265011, 18108351, 264768, 33657023, 20281149, 263972, 264630, 264635, 264638 |
| 2681 | 90933844 (5361, 5362) | Novel Protein sim. GBank gij728837 sp P39194 ALU7_HUMAN - IIII ALU SUBFAMILY SQ WARNING ENTRY IIII | | kinase | 264489, 22278995, 264509, 264905, 264906, 264907, 264908, 264909, 264510, 265006, 264512, 264910, 264594, 60433438, 264758, 264603, 264604, 265019, 264605, 264760, 264764, 264687, 264768, 264769, 21906769, 35695917, 265020, 33657023, 264631, 264635, 264637, 264638, 264639, 264486 |
| 2682 | 94138934 (5363, 5364) | Novel Protein sim. GBank gij423468 prij JQ1974 - HTF9-C protein - mouse | Contains protein domain (PF00076) - RNA recognition motif (a.k.a. RRM, RBD, or RNP domain) | UNCLASSIFIED | 35696286, 264908, 55811386, 265017, 55811150, 55811957, 35695917, 60431528, 55810764, 55811576, 35696423, 65274791, 55526486 |
| 2683 | 87774405 (5365, 5366) | Novel Protein sim. GBank gij5114351 gb AAD40286.1 - (AF156271) RING finger protein terf [Homo sapiens] | Contains protein domain (PF00622) - SPRY domain | interleukinrecept | 264909, 264769, 264635, 264636 |

| | | | | | |
|------|-----------------------|---|--|------------------|--|
| 2684 | 85787151 (5367, 5368) | Novel Protein sim. GBank gij4686469jembjCAB43385.1] - (AL050284) hypothetical protein [Homo sapiens] | | | 264593 |
| 2685 | 88054289 (5369, 5370) | Novel Protein sim. GBank gij3342729 (AC005331) - R31341_2 [Homo sapiens] | UNCLASSIFIED | | |
| 2686 | 87628690 (5371, 5372) | Novel Protein sim. GBank gij4650844jbjBAA77027.1] - (AB026190) Kelch motif containing protein [Homo sapiens] | Contains protein domain (PF01344) - struct Kelch motif | | 264259, 29331822, 60432289, 29331827, 29331830, 264909, 264512, 264596, 264769, 264534, 264555, 264556, 264557, 264558, 60170394, 264559, 264486 |
| 2687 | 87998183 (5373, 5374) | Novel Protein sim. GBank gij5281314jgbAAD41475.1]AF13312 - (AF133123) transcription factor IIC102 [Homo sapiens] | Contains protein domain (PF00515) - TPR Domain | transcriptfactor | 18108394, 18108396, 22278996, 35696286, 22278997, 29331826, 29331828, 66712502, 21908754, 265011, 264760, 264761, 264763, 264689, 21906765, 35696423, 264559, 18108385, 264563 |
| 2688 | 79959584 (5375, 5376) | | | | 264908, 264760 |
| 2689 | 94122440 (5377, 5378) | Novel Protein sim. GBank gij3880023jembjCAA97339] - (Z73098) Similarity to yeast hypothetical protein (Swiss Prot accession number Q09695); cDNA EST EMBL:D72982 comes from this gene; cDNA EST EMBL:D75947 comes from this gene [Caenorhabditis elegans] | Contains protein domain (PF00560) - Leucine Rich Repeat | | 22278997, 22278998, 22278999, 29331824, 35696052, 264908, 264908, 56182435, 264512, 264910, 265009, 60433438, 21906754, 18108351, 264682, 264683, 264767, 21906765, 21906766, 21906768, 33657023, 33657182, 27486262, 27486264, 33657349, 18108370, 18108372, 18108374, 35696423, 35695855, 18108385, 22279002 |
| 2690 | 88003055 (5379, 5380) | Novel Protein sim. GBank gij2477513 (AC002398) - F25965_3 [Homo sapiens] | Contains protein domain (PF00620) - RhoGAP domain | struct | |
| 2691 | 91219241 (5381, 5382) | Novel Protein sim. GBank gij4107276jembjCAA67130] - (X98506) acetyl-CoA synthetase [Solanum tuberosum] | | synthase | 65274572, 56182575, 264259, 29331822, 29331824, 29331826, 29331828, 264112, 265009, 55812038, 264596, 33109954, 265017, 264448, 264288, 264369, 264684, 21906769, 60170615, 60431528, 55810764, 264634, 264636, 264556, 264637, 22279002, 264564, 264566 |
| 2692 | 94111914 (5383, 5384) | Novel Protein sim. GBank gij3513303 (AC005594) - R26984_1 [Homo sapiens] | Contains protein domain (PF00326) - Prolyl oligopeptidase family | peptidase | |
| 2693 | 20438807 (5385, 5386) | | | | 264592 |
| 2694 | 94111918 (5387, 5388) | Novel Protein sim. GBank gij3122400spjO35682MUG_MOUSE - MYELOID UPREGULATED PROTEIN | UNCLASSIFIED | | 264559 |
| 2695 | 95345513 (5389, 5390) | Novel Protein sim. GBank gij4972740jgbAAD34765.1] - (AF132177) unknown [Drosophila melanogaster] | | collagen | 35696286, 56994075, 22278999, 264259, 35696052, 29331830, 265011, 264288, 56181562, 264690, 264692, 33657023, 27486262, 263976, 18108376, 35696423, 35695855, 60170394, 83373044, 56526486, 22279000, 22279002, 264568 |
| 2696 | 87874040 (5391, 5392) | Novel Protein sim. GBank gij728831spjP39188ALU1_HUMAN - IIII ALU SUBFAMILY J WARNING ENTRY IIII | | synthase | 264594, 21906768, 18108370, 18108372 |

| | | | | | |
|------|-----------------------|---|---|------------------|--|
| 2697 | 91638472 (5393, 5394) | Novel Protein sim. GBank gi 5689473 dbj BAA83020.1 - (AB028991) KIAA1068 protein [Homo sapiens] | | UNCLASSIFIED | 35696286, 264259, 29331824, 29331825, 29331826, 29331827, 29331828, 35696052, 265006, 265007, 264512, 265009, 60170831, 60433356, 264595, 264758, 87168474, 265010, 265011, 87168559, 264601, 265017, 265018, 265019, 264761, 18108351, 264448, 264288, 264766, 264688, 264689, 21906765, 21906768, 265020, 265021, 60170615, 33657109, 18108376, 35696423, 35695855, 264555, 264558, 60170394, 264559, 18108387, 56526486, 87168518, 22279002, 264563, 264482 |
| 2698 | 94325891 (5395, 5396) | Novel Protein sim. GBank gi 841318 (U22818) - mutant sterol regulatory element binding protein-2 [Cricetus griseus] | Contains protein domain (PF00412) - LIM domain containing proteins | transcriptfactor | 22278995, 35696286, 22278996, 22278997, 22278998, 22278999, 264259, 29331822, 29331824, 29331825, 60432289, 29331826, 29331827, 33656970, 264906, 29331830, 264909, 52644045, 264910, 60433356, 33657402, 33109954, 265017, 265018, 265019, 264288, 21906765, 21906766, 21906767, 21906769, 29148629, 35695917, 265021, 265022, 52644150, 33657023, 33657182, 27486261, 35696423, 65274791, 264638, 60432113, 22279000 |
| 2699 | 87780650 (5397, 5398) | Novel Protein sim. GBank | | UNCLASSIFIED | 264768, 18108357, 264690, 264691 |
| 2700 | 94139836 (5399, 5400) | Novel Protein sim. GBank gi 5174395 ref NP_006006.1 pB120 - Brain protein 120 | | UNCLASSIFIED | 60424269, 56182435, 60432229, 60433438, 55811386, 265017, 55811150, 264448, 56181562, 55811957, 264693, 33657109, 60431528, 264629, 55810764, 55811576, 65274791, 60431850, 60432113 |
| 2701 | 94148584 (5401, 5402) | Novel Protein sim. GBank gi 1572801 (U70854) - F38A5.1 gene product [Caenorhabditis elegans] | | | 18108394, 52645156, 35696286, 264259, 29331822, 29331824, 29331825, 60432289, 29331826, 29331827, 35696052, 29331828, 29146499, 265006, 60433356, 33657402, 60433438, 264595, 33657084, 18108351, 264288, 264769, 18108359, 21906768, 35695917, 33657023, 27486261, 18108374, 18108379, 35696423, 18108382, 83373044, 18108384, 18108388, 60432113, 22279000 |
| 2702 | 57295368 (5403, 5404) | Novel Protein sim. GBank gi 2605967 (AF030027) - 24 [Equine herpesvirus 4] | | UNCLASSIFIED | 29331828, 264512, 264555, 264556, 264557, 264558, 264559 |
| 2703 | 87649514 (5405, 5406) | Novel Protein sim. GBank gi 5689399 dbj BAA82883.1 - (AB028954) KIAA1031 protein [Homo sapiens] | Contains protein domain (PF00642) - Zinc finger C-x8-C-x5-C-x3-H type (and similar) | | 60432289, 265007, 21906765, 21906768, 265021, 264563 |

| | | | | | |
|------|-----------------------|---|--------------|--|--|
| 2704 | 87649515 (5407, 5408) | Novel Protein sim. GBank gi 4335694 gb AAB63294 - (AF008554) Implantation-associated protein [Rattus norvegicus] | | | 264488, 22278995, 22278998, 29331828, 29148499, 264905, 264906, 264907, 52644045, 264511, 33657402, 264500, 264602, 265017, 264605, 264761, 18108351, 264764, 264687, 264769, 265021, 264691, 264692, 18108382, 264693, 18108370, 18108374, 264634, 264635 |
| 2705 | 87771745 (5409, 5410) | | | | 264489, 264509, 264511, 264512, 264910, 264593, 87168474, 264604, 264288, 264687, 264769, 264638, 264566, 264486 |
| 2706 | 94326789 (5411, 5412) | Novel Protein sim. GBank gi 3255952 emb CAA18821.1 - (AL021728) /prediction=(method: /match=(desc: [Drosophila melanogaster]) | UNCLASSIFIED | | 264488, 52646842, 65274572, 22278994, 56994075, 22278997, 264259, 29331824, 29331825, 29331826, 29331828, 33656970, 264907, 264908, 264909, 52644045, 56182435, 265006, 265007, 60433438, 55812038, 21906754, 52644296, 265010, 264601, 265017, 265019, 264681, 264448, 264682, 264288, 264686, 264687, 264688, 21906766, 21906769, 55811957, 35695917, 265020, 265021, 60170615, 264690, 264691, 33657023, 264692, 264693, 65274620, 27486264, 263972, 18108374, 18108377, 264635, 264636, 264556, 60170394, 83373044, 65274727, 87168518, 22279000, 22278998, 22278999, 56182435, 21906754, 87168559, 265017, 264448, 52645129, 65274572, 264259, 29331822, 29331825, 60432289, 29331826, 29331827, 29331828, 264909, 264510, 265007, 264910, 60433356, 60433438, 33109954, 265010, 265011, 264369, 264288, 264765, 264693, 264565, 29331822, 18108370, 18108374, 83373044 |
| 2707 | 88089839 (5413, 5414) | Novel Protein sim. GBank gi 3417294 (AC004381) - Unknown gene product [Homo sapiens] | | | |
| 2708 | 91011351 (5415, 5416) | Novel Protein sim. GBank gi 545790 bbs 147178 - DARPP-32=dopamine and cAMP-regulated phosphoprotein [human, brain, Peptide, 204 aa] | UNCLASSIFIED | | |
| 2709 | 94853988 (5417, 5418) | Novel Protein sim. GBank gi 3169705 (AC004780) - F17127_1 [Homo sapiens] | | | |
| 2710 | 87627979 (5419, 5420) | Novel Protein sim. GBank gi 446831 emb CAB37992 - (AL031432) dJ465N24.2.1 (PUTATIVE novel protein) (isoform 1) [Homo sapiens] | UNCLASSIFIED | | |
| | | | | | 29331824, 264759, 264693, 18108382, 18108388 |

| | | | | | |
|------|-----------------------|--|---|--------------|---|
| 2711 | 94111820 (5421, 5422) | Novel Protein sim. GBank gi 312400 sp O35882 MUG_MOUSE - MYELOID UPREGULATED PROTEIN | | UNCLASSIFIED | 264488, 264687, 52645156, 264789, 21906764, 21908765, 21906767, 21906768, 21906769, 55811957, 56994075, 22278997, 22278998, 265020, 265021, 264690, 264259, 264691, 264692, 33657023, 29331822, 29331824, 60424269, 29331826, 33657182, 29331827, 27486262, 33657349, 264508, 264905, 264907, 60431528, 264908, 264909, 55810764, 35696423, 65274791, 35695855, 265007, 264910, 60431850, 60432229, 264557, 264558, 55812038, 33109954, 18108385, 21906754, 33657084, 87168518, 87168474, 87168559, 60432113, 265017, 22279000, 265018, 265019, 22279002, 264760, 55811150, 264681, 18108351, 264565, 264764, 264566, 264288, 264766 264488, 35696286, 22278998, 264259, 29331824, 60432289, 35696052, 264508, 264908, 66712502, 52644045, 265006, 60432229, 33657402, 60433356, 265010, 265019, 18108351, 264681, 264288, 264685, 21906765, 21906766, 21906768, 21906769, 55811957, 35695917, 265020, 265021, 60170615, 264691, 264692, 33657023, 33657109, 33657182, 33657349, 18108370, 18108374, 35696423, 35695855, 264555, 52644332, 56182323, 87168518, 60432113 66714117, 264906, 264563 |
| 2712 | 94312071 (5423, 5424) | Novel Protein sim. GBank gi 5081315 gb AAD39343.1 AF076607 - (AF076607) prediabetic NOD sera-reactive autoantigen [Mus musculus] | Contains protein domain (PF00515) - TPR Domain | transferase | |
| 2713 | 88003064 (5425, 5426) | Novel Protein sim. GBank F25965_3 [Homo sapiens] | | UNCLASSIFIED | |
| 2714 | 13528218 (5427, 5428) | | | UNCLASSIFIED | 264636 |
| 2715 | 94122454 (5429, 5430) | Novel Protein sim. GBank gi 4321968 gb AAD15897 - (AF067430) Smarce1-related protein [Mus musculus] | | UNCLASSIFIED | 264508, 264905, 264907, 264908, 264909, 264910, 264758, 265011, 264760, 264764, 264288, 264766, 264768, 264636 |
| 2716 | 88003068 (5431, 5432) | Novel Protein sim. GBank gi 2477513 (AC002398) - F25965_3 [Homo sapiens] | | glycoprotein | 264091, 264259, 29331822, 66714117, 264908, 264369, 264693, 264556, 264563 |
| 2717 | 80077461 (5433, 5434) | Novel Protein sim. GBank gi 3327046 dbj BAA31591 - (AB014516) KIAA0616 protein [Homo sapiens] | | | 264593, 264558 |
| 2718 | 79604062 (5435, 5436) | | | | 264693 |
| 2719 | 88180423 (5437, 5438) | Novel Protein sim. GBank gi 746495 (U23515) - weakly similar to gastrula zinc finger protein [Caenorhabditis elegans] | | UNCLASSIFIED | 29331822, 87168559, 265019, 265021, 52644150, 264691 |

| | | | | |
|------|-----------------------|---|--|--|
| 2720 | 95086242 (5439, 5440) | Novel Protein sim. GBank gij1335873 (U46690) - ATP-dependent RNA helicase [Mus musculus] | Contains protein domain (PF00270) - DEAD/DEAH box helicase | 18108374, 60424179, 264489, 56182435, 21906765, 21906766, 35696423, 22278997, 265020, 265022, 265006, 265008, 264092, 264636, 60432229, 264691, 264692, 33657023, 264693, 33657402, 83373044, 29331824, 18108366, 60424269, 29331826, 18108385, 52645129, 21906754, 35696052, 29331828, 87168474, 264100, 265010, 265011, 265019, 22279002, 264905, 264482, 264563, 264906, 18108351, 264681, 18108370, 29331830, 264908, 68712502, 52644045, 264909, 264828, 18108354, 22278995, 35696286, 264259, 29331822, 29331824, 66714117, 29331826, 264906, 60433438, 265017, 18108351, 264448, 264288, 264769, 21906766, 265021, 33657109, 263969, 60431528, 264629, 55811576, 65274791, 35695855, 264631, 264637, 60170394, 56182323, 22279000, 35696286, 22278999, 21906754, 265017, 264762, 264288, 21906765, 21906767, 21906768, 35695917, 18108362, 27486262, 35695855, 264558, 264559 |
| 2721 | 95345523 (5441, 5442) | Novel Protein sim. GBank gij4929663 [gb AAD34092.1 AF15185 - (AF151855) CGI-97 protein [Homo sapiens] | Contains protein domain (PF01172) - Uncharacterized protein family UPF0023 | 22278995, 35696286, 264259, 29331822, 29331824, 66714117, 29331826, 264906, 60433438, 265017, 18108351, 264448, 264288, 264769, 21906766, 265021, 33657109, 263969, 60431528, 264629, 55811576, 65274791, 35695855, 264631, 264637, 60170394, 56182323, 22279000, 35696286, 22278999, 21906754, 265017, 264762, 264288, 21906765, 21906767, 21906768, 35695917, 18108362, 27486262, 35695855, 264558, 264559 |
| 2722 | 91638807 (5443, 5444) | Novel Protein sim. GBank gij3212997 [gb AAC23434.1 - (AC004997) match to ESTs AA667999 (NID:g2626700), AA165465 (NID:g1741481), Z45871 (NID:g575105), and T84026 (NID:g712314); similar to various tre-like proteins including: AF040654 (PID:g2746883), D13644 (PID:g2104571), AL02114... | Contains protein domain (PF00566) - TBC domain | 22278995, 35696286, 264259, 29331822, 29331824, 66714117, 29331826, 264906, 60433438, 265017, 18108351, 264448, 264288, 264769, 21906766, 265021, 33657109, 263969, 60431528, 264629, 55811576, 65274791, 35695855, 264631, 264637, 60170394, 56182323, 22279000, 35696286, 22278999, 21906754, 265017, 264762, 264288, 21906765, 21906767, 21906768, 35695917, 18108362, 27486262, 35695855, 264558, 264559 |
| 2723 | 87387732 (5445, 5446) | | | 264508, 264509, 264906, 264909, 264910, 55812038, 264766, 264687, 264629, 264636, 264486 |
| 2724 | 87639563 (5447, 5448) | Novel Protein sim. GBank gij4880881 [gb AAD27730.1 AF13295 - (AF132955) CGI-21 protein [Homo sapiens] | ubiquitin | 18108396, 22278999, 20281099, 29331824, 29331826, 60432289, 29331828, 60170831, 60432229, 60433438, 18108351, 264682, 21906766, 21906767, 21906769, 35695917, 33657023, 33657109, 18108372, 18108374, 35695855, 22279000, 22279002 |
| 2725 | 94853991 (5449, 5450) | Novel Protein sim. GBank gij3169705 (AC004780) - F17127_1 [Homo sapiens] | UNCLASSIFIED | 264488, 52644507, 264259, 29331827, 21906754, 265011, 18108351, 264448, 264288, 264685, 264689, 35695917, 265020, 33657182, 27486261, 18108370, 18108374, 35696423, 18108385, 22279000 |
| 2726 | 86880599 (5451, 5452) | Novel Protein sim. GBank gij3342738 (AC005328) - R26660_1, partial CDS [Homo sapiens] | MHC | 264488, 264828, 264685 |

| | | | | | |
|------|-----------------------|---|---|------------------|---|
| 2727 | 91010470 (5453, 5454) | Novel Protein sim. GBank gij1731287[sp]P39219[RLUA_ECOLI - RIBOSOMAL LARGE SUBUNIT PSEUDOURIDINE SYNTHASE A (PSEUDOURIDYLATE SYNTHASE) (URACIL HYDROLYASE) | Contains protein domain (PF00849) - RNA pseudouridylylate synthase | synthase | 65274572, 56182575, 22278994, 56984075, 22278996, 22278997, 22278999, 60432049, 29331822, 29331824, 66714117, 29331826, 29331827, 35696052, 29331828, 33656970, 264509, 66712502, 264910, 33657402, 60433438, 264758, 55812038, 21906754, 33657084, 55811388, 265018, 265019, 284767, 21906765, 21906767, 21906769, 55811957, 35695917, 52644150, 33657023, 33657109, 33657182, 27486281, 27486282, 27486285, 33657349, 55811576, 35696423, 35695855, 264630, 60431850, 264636, 56182323, 87168518, 60432113, 22279000, 264564, 264565 |
| 2728 | 94126022 (5455, 5456) | Novel Protein sim. GBank gij3880433[emb]CAA91399] - (Z66521) similar to mitochondrial RNA splicing MSR4 like protein; cDNA EST EMBL:C09217 comes from this gene [Caenorhabditis elegans] | Contains protein domain (PF00153) - Mitochondrial carrier proteins | UNCLASSIFIED | 18108394, 56182435, 21906767, 55811957, 35695855, 265021, 264690, 264556, 264259, 264557, 29331822, 264559, 264448, 264288 |
| 2729 | 94126024 (5457, 5458) | Novel Protein sim. GBank gij2408095[emb]CAB16300] - (Z99168) putative RNA splicing protein [Schizosaccharomyces pombe] | Contains protein domain (PF00153) - Mitochondrial carrier proteins | UNCLASSIFIED | 65274572, 264259, 60432289, 66712502, 56182435, 264448, 264288, 264369, 55811957, 265021, 264557, 60432113 |
| 2730 | 94126026 (5459, 5460) | Novel Protein sim. GBank gij3880433[emb]CAA91399] - (Z66521) similar to mitochondrial RNA splicing MSR4 like protein; cDNA EST EMBL:C09217 comes from this gene [Caenorhabditis elegans] | Contains protein domain (PF00153) - Mitochondrial carrier proteins | transport | 264887, 29331824, 29331826, 35696052, 264107, 56182435, 265008, 265009, 264592, 60431735, 265011, 264601, 265017, 18108351, 264288, 29148627, 55811957, 265021, 264690, 18108368, 18108374, 264557, 264558, 264559, 18108387, 56526486, 264566, 264486 |
| 2731 | 87723022 (5461, 5462) | Novel Protein sim. GBank gij172323[sp]Q10166[YAUB_SCHPO - HYPOTHETICAL 35.7 KD PROTEIN C26A3.11 IN CHROMOSOME 1 | Contains protein domain (PF00795) - Carbon-nitrogen hydrolase | | 264259, 35696052, 265006, 264758, 264762, 264448, 264288, 29148627, 21908769, 87168518, 22279002 |
| 2732 | 94126028 (5463, 5464) | Novel Protein sim. GBank gij3880433[emb]CAA91399] - (Z66521) similar to mitochondrial RNA splicing MSR4 like protein; cDNA EST EMBL:C09217 comes from this gene [Caenorhabditis elegans] | Contains protein domain (PF00153) - Mitochondrial carrier proteins | UNCLASSIFIED | 264687, 264489, 18108358, 56182435, 264689, 35696423, 55811957, 265021, 265006, 265008, 264910, 265009, 264690, 264555, 264259, 264556, 264557, 264558, 264559, 18108383, 33657109, 87168518, 265010, 264601, 60432113, 265017, 264905, 264448, 263972, 264369, 264567 |
| 2733 | 87363060 (5465, 5466) | | | UNCLASSIFIED | 29331825, 264509, 264909 |
| 2734 | 94140286 (5467, 5468) | Novel Protein sim. GBank gij4519621[dbj]BAA75670.1] - (AB017614) OASIS protein [Mus musculus] | Contains protein domain (PF00170) - bZIP transcription factor | transcriptfactor | 60424179, 52644507, 56182575, 264259, 29331828, 264907, 264510, 264910, 60433356, 265019, 55811150, 264681, 264763, 264687, 33657182, 18108370, 60431528, 60431850, 56182323, 83373044 |

| | | | | | |
|------|-----------------------|--|--|--------------|--|
| 2735 | 87712336 (5469, 5470) | Novel Protein sim. GBank gij3850569 (AC005278) - ESTs gbjT21276, gbjT45403, and gbjAA586113 come from this gene. [Arabidopsis thaliana] | | glycoprotein | 22278996, 60432289, 29331827, 29146498, 284108, 284909, 284112, 33857402, 87168474, 265017, 264762, 264448, 264764, 264684, 21906765, 264693, 33657109, 263976, 264636, 264638, 264557, 22279000, 22279002, 264567 |
| 2736 | 80247655 (5471, 5472) | | | UNCLASSIFIED | 264905, 264628, 264629, 263978, 264632, 264564 |
| 2737 | 87604526 (5473, 5474) | | | | 264690 |
| 2738 | 85731808 (5475, 5476) | Novel Protein sim. GBank gij2558501[dbj BAA22896] - (D63850) hepaloma-derived growth factor [Mus musculus] | | | 264488, 265009, 264768, 264691 |
| 2739 | 94319834 (5477, 5478) | Novel Protein sim. GBank gij5420387[emb CAB46679.1] - (AJ243459) proteophosphoglycan [Leishmania major] | | UNCLASSIFIED | 264684, 83373044, 264566 |
| 2740 | 94148762 (5479, 5480) | Novel Protein sim. GBank gij3417386[emb CAA75495] - (Y15197) microtubule-associated protein, MAP-115 [Mus musculus] | | UNCLASSIFIED | 264488, 56182575, 22278995, 35696286, 22278997, 22278998, 22278999, 264259, 29331822, 29331824, 29331825, 29331827, 35696052, 29331828, 29146498, 29331830, 265006, 265007, 265009, 60432229, 33657402, 55812038, 87168474, 265010, 265011, 265017, 265018, 265019, 284605, 264681, 264288, 264369, 52644229, 21906765, 21906766, 21906767, 21906768, 21906769, 265020, 265022, 264691, 264692, 33657109, 18108370, 18108374, 55810764, 35695855, 264634, 60431850, 264639, 56182323, 18108382, 18108385, 65274727, 22279002, 264564 |
| 2741 | 88047518 (5481, 5482) | Novel Protein sim. GBank gij3242764 (AC005154) - similar to protein U28928 (PID:g861308) [Homo sapiens] | | UNCLASSIFIED | 22278996, 52644045, 52644229, 21906768, 21906769, 265020, 60170615, 264691 |
| 2742 | 87648644 (5483, 5484) | Novel Protein sim. GBank gij4758412[ref NP_004472.1]pGALN - UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 2 [Gallus-T2] | Contains protein domain (PF00852) - Similarity to lectin domain of ricin beta-chain, 3 copies. | transferase | 264259, 264805, 264758, 55812038, 264369, 29148627 |
| 2743 | 87627991 (5485, 5486) | Novel Protein sim. GBank gij4468311[emb CAB37892] - (AL031432) dJ465N24.2.1 (PUTATIVE novel protein) (isoform 1) [Homo sapiens] | | UNCLASSIFIED | 35696286, 264259, 264906, 264908, 265006, 60433438, 265017, 18108351, 264448, 264764, 264288, 21906765, 21906767, 264690, 264691, 264693, 263969, 263971, 35695855, 264637, 264558, 18108382, 60432113 |
| 2744 | 94126030 (5487, 5488) | Novel Protein sim. GBank gij3880433[emb CAA91399] - (Z66521) similar to mitochondrial RNA splicing MSR4 like protein; cDNA EST EMBL:CO9217 comes from this gene [Caenorhabditis elegans] | Contains protein domain (PF00153) - Mitochondrial carrier proteins | kinase | 18108374, 264488, 56182435, 21906765, 35696423, 35695917, 35695855, 265020, 265021, 264511, 265009, 264490, 264556, 264259, 264557, 56182323, 264558, 264559, 18108383, 29331824, 18108385, 33657109, 29331826, 21906754, 29331827, 29331828, 33657349, 87168518, 265018, 264905, 264482, 264448, 264486, 264369, 264288 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 2745 | 87740125 (5489, 5490) | Novel Protein sim. GBank gi 4405785 gb AAD19826 - (AF038963) RNA helicase [Homo sapiens] | Contains protein domain (PF00271) - Helicases conserved C-terminal domain | helicase | 35696286, 264509, 264905, 264907, 264908, 264909, 264510, 264512, 265008, 264758, 264601, 265017, 264604, 264783, 264288, 264686, 264769, 264693, 35696423, 35695855, 264634, 264636, 264563, 264564, 264565 |
| 2746 | 95418601 (5491, 5492) | Novel Protein sim. GBank gi 4758738 ref NP_004680.1 pMTA1 - metastasis associated 1 | Contains protein domain (PF00320) - GATA zinc finger | UNCLASSIFIED | 22278996, 22278998, 22278999, 29331822, 29331826, 29331827, 35696052, 29331828, 264905, 264906, 264907, 264908, 264909, 52644046, 265008, 60170831, 264598, 55812038, 265018, 264683, 264288, 21906765, 21906767, 21906768, 21906769, 265020, 264690, 33657023, 264693, 33657109, 18108368, 18108374, 264558, 18108385, 22279000, 264563 |
| 2747 | 94112677 (5493, 5494) | Novel Protein sim. GBank gi 4557803 ref NP_000262.1 pNPC1 - Niemann-Pick disease, type C1 | | glycoprotein | 264569, 52644507, 18108394, 22278995, 35696286, 22278997, 22278999, 52645080, 29331824, 56182181, 29331826, 29331827, 35696052, 264907, 264908, 264909, 265009, 33109954, 55811386, 87168474, 265010, 87168559, 264603, 265019, 264760, 264686, 264768, 21906769, 35695917, 60170615, 264692, 33657023, 52645129, 27486264, 60431528, 18108374, 35696423, 35695855, 264556, 56182323, 18108385, 264482 |
| 2748 | 91214983 (5495, 5496) | Novel Protein sim. GBank gi 4191272 emb CAA0984 - (AJ012295) apaG protein [Rhizobium etli] | Contains protein domain (PF00646) - F-box domain. | | 65274572, 29331828, 264112, 264511, 265019, 264760, 264767, 264768, 264769, 21906768, 21906769, 265020, 27486262, 56526486, 87168518, 22279000 |
| 2749 | 87346307 (5497, 5498) | | | | 264259, 264908, 264510, 265008, 265009, 264760, 264369, 264768, 264563 |
| 2750 | 87336344 (5499, 5500) | Novel Protein sim. GBank gi 1872498 (U74297) - PIUS [Oryctolagus cuniculus] | | UNCLASSIFIED | 264488, 52644507, 18108396, 56994075, 264259, 29331825, 29331826, 29331827, 29331828, 264508, 265009, 264910, 264591, 264595, 33657084, 265011, 265019, 18108351, 264288, 264686, 264769, 264689, 55811957, 264693, 27486264, 18108370, 18108374, 264558, 18108385, 264482, 264563 |
| 2751 | 87057465 (5501, 5502) | | | UNCLASSIFIED | 29331822, 29331824, 265017, 33657023 |
| 2752 | 88062675 (5503, 5504) | Novel Protein sim. GBank gi 3041859 (AC004534) - OG-2 homeodomain protein-like; similar to U65067 (PID:g1575526) [Homo sapiens] | Contains protein domain (PF00046) - Homeobox domain | homeobox | |

| | | | | | |
|------|-----------------------|--|---|------------------|--|
| 2753 | 94138972 (5505, 5506) | Novel Protein sim. GBank gl 3851648 (AF098301) - neural F-box protein NFB42 [Rattus norvegicus] | Contains protein domain (PF00646) - F-box domain. | UNCLASSIFIED | 56182575, 56994075, 22278998, 29331822, 29331824, 29331825, 29331826, 265007, 264593, 55812038, 33109954, 18108351, 264288, 56181562, 21906767, 21906768, 265021, 264693, 18108374, 65274791, 264632, 56182323, 22279002, 264563, 264567 |
| 2754 | 94115513 (5507, 5508) | Novel Protein sim. GBank gl 535428 (U13736) - calmodulin-like protein [Pisum sativum] | Contains protein domain (PF00036) - EF hand | struct | 22278999, 66714117, 29331827, 35686052, 29331828, 284806, 264908, 264909, 265011, 265017, 265018, 265019, 264288, 21906765, 21906767, 265022, 33657023, 264693, 56182323, 18108382, 22279000 |
| 2755 | 88001472 (5509, 5510) | Novel Protein sim. GBank gl 2998653 (AC004510) - R30385_2 [Homo sapiens] | Contains protein domain (PF00096) - Zinc finger, C2H2 type | transcriptfactor | |
| 2756 | 11465908 (5511, 5512) | | | UNCLASSIFIED | 264594 |
| 2757 | 95361590 (5513, 5514) | Novel Protein sim. GBank gl 1173539 (U30473) - putative src-like adapter protein; non-catalytic src-like adapter protein containing SH3 and SH2 domains; homolog of mouse SLAP; Method: conceptual translation supplied by author [Homo sapiens] | Contains protein domain (PF00017) - Src homology domain 2 | eph | 85658542, 264693 |
| 2758 | 79637846 (5515, 5516) | Novel Protein sim. GBank gl 3608372 (AF053768) - brain specific cortactin-binding protein CBP90 [Rattus norvegicus] | | struct | 264693 |
| 2759 | 91005312 (5517, 5518) | Novel Protein sim. GBank gl 2072200 (U94863) - p40 [Borna disease virus] | | | 65274572, 35696286, 66714117, 29331828, 264508, 56182435, 21906754, 55811957, 264629, 264636, 56182323, 22279002, 264908 |
| 2760 | 79824798 (5519, 5520) | | | UNCLASSIFIED | 264908 |
| 2761 | 87639597 (5521, 5522) | Novel Protein sim. GBank gl 4914573 (emb CAB43685.1) - (AL050390) hypothetical protein [Homo sapiens] | Contains protein domain (PF00023) - Ank repeat | nuclease | 22278998, 29331822, 29331830, 265010, 265019, 264288, 21906765, 21906768, 21906769, 265020, 56182323, 22279002, 264563 |
| 2762 | 87592699 (5523, 5524) | Novel Protein sim. GBank gl 3136150 (AF050182) - PERIOD 3 [Mus musculus] | Contains protein domain (PF00989) - PAS domain | struct | 18108394, 22278998, 264906, 264909, 265006, 265007, 264757, 265010, 265011, 265017, 265019, 18108351, 264448, 264683, 264686, 264768, 265020, 265021, 265022, 264691, 18108362, 264693, 18108365, 33657109, 18108368, 18108370, 18108381, 18108382, 18108384, 18108388, 87168518, 264369, 35696423 |
| 2763 | 87539968 (5525, 5526) | Novel Protein sim. GBank gl 3511122 (AF060503) - zinc finger protein [Homo sapiens] | Contains protein domain (PF01352) - KRAB box | transcriptfactor | |
| 2764 | 94305140 (5527, 5528) | Novel Protein sim. GBank gl 2905643 (AF045244) - ribitol kinase [Klebsiella pneumoniae] | Contains protein domain (PF00370) - FGGY family of carbohydrate kinases | | 52646842, 264259, 29331822, 29331825, 29331826, 29331828, 33656970, 264905, 264907, 29331830, 265006, 265009, 21906754, 265019, 264448, 21906769, 27486262, 56182323, 56526486, 87168518, 264487 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 2765 | 94315105 (5528, 5530) | Novel Protein sim. GBank gl 4688672 emb CAA17688.2 - (AL022018) /prediction=(method); /prediction=(method); /match=(desc: [Drosophila melanogaster]) | | | 264488, 65274572, 22278995, 35696286, 22278998, 22278999, 264259, 29331822, 29331824, 35696052, 264508, 264905, 264908, 264907, 264908, 264909, 264512, 264910, 265009, 264592, 264595, 264758, 55812038, 33109954, 265010, 87168559, 264600, 265018, 264760, 264761, 264762, 264763, 264448, 264764, 264288, 264766, 264767, 264768, 56181562, 21906764, 21906765, 21906768, 35695917, 265021, 264691, 264692, 33657023, 33657109, 264628, 18108370, 264629, 18108374, 55811576, 35696423, 35695855, 264631, 264634, 264635, 264636, 264637, 264638, 264558, 264639, 83373044, 87168518, 22279000, 22279002, 264563, 264482 |
| 2766 | 94315109 (5531, 5532) | Novel Protein sim. GBank gl 5441611 emb CAB46854.1 - (AJ388555) hypothetical protein [Canis familiaris] | Contains protein domain (PF00076) - RNA recognition motif. (a.k.a. RRM, RBD, or RNP domain) | dna_ma_bind | 264488, 65274572, 60432289, 264907, 264909, 264511, 264512, 60433356, 264288, 264685, 264689, 35695917, 265022, 264693, 264628, 65274791, 264635, 264555, 264556, 264557, 264638, 264558, 264559, 83373044, 60432113 |
| 2767 | 80204297 (5533, 5534) | Novel Protein sim. GBank gl 1079451 pir [A55463 - tropomodulin, skeletal muscle - chicken] | | struct | 264112, 263974, 264558 |
| 2768 | 94322238 (5535, 5536) | Novel Protein sim. GBank gl 5441322 emb CAB46721.1 - (AL031427) dJ167A19.1 (novel protein) [Homo sapiens] | | UNCLASSIFIED | 264488, 263994, 264489, 35696286, 22278998, 22278999, 264259, 29331822, 60432289, 29331826, 35696052, 264508, 264509, 264905, 264906, 264907, 29331830, 264908, 264909, 264510, 264511, 264512, 265008, 264910, 265009, 264591, 264592, 264593, 33657402, 264594, 264595, 264757, 264596, 265011, 264604, 265019, 264760, 264681, 18108351, 264764, 264288, 264766, 264686, 264768, 18108357, 264769, 264689, 21906766, 21906768, 21906769, 35695917, 265021, 265022, 33657023, 33657109, 264628, 264629, 18108374, 35696423, 35695855, 264630, 264631, 264632, 264634, 264635, 264636, 264555, 264638, 264639, 83373044, 264563, 264564, 264565, 264566, 264486, 264567 |

| | | | | | |
|------|-----------------------|--|--|---------------|--|
| 2769 | 95311088 (5537, 5538) | Novel Protein sim. GBank gij5419859[embjCAB46375.1] - (AL096725) hypothetical protein [Homo sapiens] | | tubulin | 264488, 56182575, 264259, 29331822, 29331824, 66714117, 29331825, 60432289, 29331828, 264908, 29331830, 56182435, 264592, 33657402, 264448, 264369, 264288, 60170615, 264691, 33657023, 264692, 33657109, 18108374, 55811576, 264634, 264636, 56182323, 83373044, 60432113 |
| 2770 | 87730182 (5539, 5540) | Novel Protein sim. GBank gij5701965[embjCAB52157.1] - (AL109736) WD repeat protein [Schizosaccharomyces pombe] | Contains protein domain (PF00400) - WD domain, G-beta repeat | kinase | 18108398, 22278995, 22278996, 22278999, 264105, 265006, 265019, 18108351, 264687, 21908765, 18108364, 264629, 18108374, 264631, 18108385, 18108388 |
| 2771 | 88084071 (5541, 5542) | Novel Protein sim. GBank gij3093433 (AC004125) - Unknown gene product [Homo sapiens] | | UNCLASSIFIED | 264259, 29331822, 29331824, 29331825, 264369 |
| 2772 | 95357309 (5543, 5544) | Novel Protein sim. GBank gij4885531[re NP_005465.1 pNY C - histone deacetylase 5 | Contains protein domain (PF00850) - Histone deacetylase family | histone | 264259, 29331822, 29331824, 66714117, 60432289, 29331827, 264905, 265009, 264592, 55812038, 65274444, 264766, 21908769, 33657109, 263978, 264555, 264638, 264557, 83373044, 264563, 264564, 264486 |
| 2773 | 94138994 (5545, 5546) | Novel Protein sim. GBank gij3288888 (AC005253) - R26445_1 [Homo sapiens] | | UNCLASSIFIED | 18108374, 264686, 264687, 263976, 56182435, 264689, 55810764, 21908766, 35696423, 55811576, 65274791, 56181886, 55811957, 35695855, 264110, 265021, 264112, 265022, 265006, 265008, 264092, 264094, 60431850, 264637, 264691, 264259, 264692, 263981, 264594, 60433356, 56182323, 264693, 264757, 56182181, 55812038, 29331825, 60424269, 18108385, 29331826, 29331827, 27486261, 29331828, 35696052, 55811386, 264107, 60432113, 265017, 55811150, 18108351, 264681, 264906, 18108370, 264484, 264682, 20281069, 264448, 66712502, 264683, 264764, 264288, 264684, 264766, 263974 |
| 2774 | 87819906 (5547, 5548) | Novel Protein sim. GBank gij465852[sp P34388 YLS3_CAEEL - HYPOTHETICAL 70.7 KD PROTEIN F09G8.3 IN CHROMOSOME III | Contains protein domain (PF00380) - Ribosomal protein S9/S16 | ribosomalprot | 22278995, 35696286, 22278996, 22278999, 264259, 29331826, 60432289, 35696052, 264112, 33657402, 21908754, 87168559, 265017, 265018, 264288, 21906766, 21906767, 21906769, 35695917, 265020, 265021, 33657023, 33657109, 18108370, 263976, 35696423, 35695855, 87168518, 22279000, 264482 |

| | | | | | |
|------|-----------------------|---|--|------------------|--|
| 2775 | 95307987 (5549, 5550) | Novel Protein sim. GBank gi 489132 gb AAD27775.1 AF07704 - (AF077042) 30S ribosomal protein S7 homolog [Homo sapiens] | Contains protein domain (PF00177) - Ribosomal protein S7p/S5e | - ribosomal prot | 264488, 22278995, 56894075, 22278996, 35698288, 22278998, 22278999, 264259, 29331822, 29331824, 29331825, 60432289, 29331827, 29331828, 35696052, 265007, 21906754, 265017, 265019, 264448, 264682, 264369, 264288, 18108354, 52644229, 264689, 21906765, 21906766, 21906767, 21906768, 21906769, 35695917, 265021, 265022, 60170615, 264691, 18108370, 35696423, 65274791, 35695855, 264634, 60431850, 60170394, 56182323, 264558, 18108388, 22279000, 264563, 264565, 264486, 264567 |
| 2776 | 87791557 (5551, 5552) | | | | 56182575, 22278998, 22278999, 264259, 29331822, 29331824, 264908, 29331830, 264510, 33657402, 21906754, 55811386, 265017, 265019, 264448, 264288, 21906765, 21906766, 21906767, 21906768, 21906769, 265020, 265021, 265022, 60170615, 55810764, 55811576, 264555, 56526486, 22279000 |
| 2777 | 79818729 (5553, 5554) | | | UNCLASSIFIED | 264907, 264766 |
| 2778 | 82112411 (5555, 5556) | | | UNCLASSIFIED | 264907, 264593, 264760, 264628 |
| 2779 | 87649729 (5557, 5558) | Novel Protein sim. GBank gi 4680711 gb AAD27745.1 AF13297 - (AF132970) CGI-36 protein [Homo sapiens] | | UNCLASSIFIED | 22278997, 264259, 29331824, 66714117, 35696052, 265006, 264512, 264448, 264288, 29148627, 18108364, 20281149, 18108370, 264629 |
| 2780 | 94679397 (5559, 5560) | Novel Protein sim. GBank gi 4758524 ref NP_004825.1 pHOK - HPK/GSK-like kinase | Contains protein domain (PF00780) - CNH domain | kinase | 29146499, 65274791, 264634, 264639 |
| 2781 | 91220057 (5561, 5562) | Novel Protein sim. GBank gi 4469352 gb AAD21222 - (AF069502) ubiquitin specific protease UBP43 [Mus musculus] | Contains protein domain (PF00443) - Ubiquitin carboxyl-terminal hydrolase family 2 | ubiquitin | 60424179, 29331824, 60424269, 66714117, 29331826, 56182435, 87168474, 265017, 264764, 56181582, 21906765, 21906766, 21906768, 35695917, 265020, 33657023, 35695855, 56182323, 87168518 |
| 2782 | 94233146 (5563, 5564) | Novel Protein sim. GBank gi 4505013 ref NP_002310.1 pLRNI - leucine-rich neuronal protein | Contains protein domain (PF00560) - Leucine Rich Repeat | struct | 65274572, 22278996, 22278998, 60432049, 264259, 29331822, 29331824, 29331826, 60432289, 29331828, 264905, 264907, 264908, 264909, 52644045, 265009, 265017, 265018, 264604, 265019, 264760, 264683, 264288, 264766, 264685, 264686, 264768, 52644229, 264689, 21906768, 265020, 265021, 264691, 18108362, 264692, 33657023, 264693, 33657109, 33657349, 18108370, 264628, 263978, 35695855, 284557, 56182323, 83373044, 18108385 |

| | | | | | |
|------|-----------------------|---|---|--------------|---|
| 2783 | 80016629 (5565, 5566) | Novel Protein sim. GBank gi 728831 sp P39188 ALU1_HUMAN - IIII ALU SUBFAMILY J WARNING ENTRY IIII | | tm7 | 264909, 264628, 263978, 263981 |
| 2784 | 87614360 (5567, 5568) | | | | 264259, 29331822, 29331824, 29331825, 284482 |
| 2785 | 88071930 (5569, 5570) | Novel Protein sim. GBank gi 2134933 p j S58890 - collapsin response mediator protein - human | | UNCLASSIFIED | 22278999, 264908, 264758, 265018, 264769, 21906785, 21906768, 21906769, 265020, 264584 |
| 2786 | 87408542 (5571, 5572) | Novel Protein sim. GBank gi 2073564 (U80223) - eukaryotic initiation factor eIF-2 alpha kinase; DGCN2 [Drosophila melanogaster] | Contains protein domain (PF00069) - Eukaryotic protein kinase domain | kinase | 264905, 265017 |
| 2787 | 87901266 (5573, 5574) | Novel Protein sim. GBank gi 5174507 ref NP_006020.1 pMA1 - paraneoplastic neuronal antigen | | UNCLASSIFIED | 264768, 21906765, 21906768, 55811957, 22278999, 264093, 60170615, 264259, 29331822, 18108365, 29331824, 33657109, 29331827, 35696052, 284100, 264105, 264908, 263977, 55811576, 264635, 264637, 60433438, 60432113, 265017, 265019, 22279002, 55811150, 264369, 264288 |
| 2788 | 88090644 (5575, 5576) | Novel Protein sim. GBank gi 3252826 (AC004382) - Unknown gene product [Homo sapiens] | | UNCLASSIFIED | |
| 2789 | 85491275 (5577, 5578) | Novel Protein sim. GBank gi 2495729 sp Q92558 Y281_HUMAN - HYPOTHETICAL PROTEIN KIAA0281 (HA6725) | | UNCLASSIFIED | 264103, 21906769, 264693 |
| 2790 | 87602784 (5579, 5580) | Novel Protein sim. GBank gi 5101772 emb CAB45135.1 - (AJ242978) p621 [Homo sapiens] | | struct | 264488, 264769, 264910, 264631, 284636, 264690, 264691, 264259, 264638, 29331824, 264508, 264509, 264905, 264563, 264908, 264628, 18108370, 264907, 264764, 264908, 264288, 264909 |
| 2791 | 88083195 (5581, 5582) | Novel Protein sim. GBank gi 2911266 (AC002550) - Unknown gene product [Homo sapiens] | | | 21906764, 18108368 |
| 2792 | 95083783 (5583, 5584) | Novel Protein sim. GBank gi 2854163 gb AAC02581.1 - (AF045642) No definition line found [Caenorhabditis elegans] | | | 22278996, 22278997, 264259, 29331822, 29331824, 29331825, 66714117, 29331826, 60432289, 29331827, 35696052, 264906, 66712502, 29331830, 264909, 60432229, 60433356, 60433438, 33109954, 265010, 265011, 265017, 265018, 265019, 264682, 264448, 264288, 264369, 264766, 52644229, 21906765, 21906766, 265020, 265021, 33657023, 263974, 18108374, 65274791, 35695855, 264636, 264556, 264558, 56182323, 83373044, 18108385, 56526486, 60432113, 22279000, 264587 |
| 2793 | 87425476 (5585, 5586) | | | UNCLASSIFIED | 264259, 60432289, 66712502, 265009, 264636 |
| 2794 | 85794830 (5587, 5588) | | | UNCLASSIFIED | 264689, 265022, 264691, 18108388, 264567 |

| | | | | | |
|------|-----------------------|---|---|--------------|---|
| 2795 | 95334888 (5589, 5590) | Novel Protein sim. GBank gi 5454146 ref NP_006348.1 pUBE2 - ubiquitin-conjugating enzyme E2E 3 (homologous to yeast UBC4/5) | Contains protein domain (PF00179) - Ubiquitin-conjugating enzyme | ubiquitin | 55274572, 56182575, 35696286, 22278998, 22278999, 60432049, 264259, 29331822, 29331825, 66714117, 60432289, 29331826, 29331827, 35698052, 29331828, 264907, 66712502, 56182435, 264511, 265007, 264512, 264910, 60432229, 60433356, 60433438, 33109354, 85658542, 265018, 265019, 264288, 264686, 21906764, 21906765, 21906768, 21906769, 55811957, 265020, 265021, 265022, 52644150, 33657023, 264693, 65274620, 33657109, 35696423, 55811576, 65274791, 56182323, 56526486, 60432113, 22279002, 264482, 264563, 264484, 264567 |
| 2796 | 94848857 (5591, 5592) | Novel Protein sim. GBank gi 4680651 gb AAD27715.1 AF13284 - (AF132840) CGI-06 protein [Homo sapiens] | | UNCLASSIFIED | 18108394, 65274572, 56182575, 56994075, 22278999, 264490, 60432049, 264259, 29331822, 29331824, 29331826, 35696052, 264509, 264908, 264907, 264908, 66712502, 56182435, 264510, 265006, 264512, 265007, 265008, 264910, 265009, 264591, 264592, 60433356, 264594, 264595, 55812038, 264596, 21906754, 60174639, 87168474, 265010, 265011, 265017, 265018, 265019, 55811150, 264762, 18108351, 264448, 264682, 264369, 264288, 264685, 264766, 264687, 56181562, 264769, 264689, 21906765, 21906766, 21906767, 21906768, 21906769, 55811957, 35695917, 265020, 265021, 60170615, 52644150, 264692, 33657023, 18108362, 264693, 65274620, 33657109, 33657182, 27486265, 33657349, 18108374, 35696423, 65274781, 35695855, 264556, 264557, 56182323, 264558, 60170394, 83373044, 65274727, 87168518, 22279000, 264563, 264564, 264565, 264566, 264567 |
| 2797 | 95110790 (5593, 5594) | Novel Protein sim. GBank gi 4838557 gb AAD31040.1 - (AF143859) potassium channel modulatory factor DEBT-91 [Mus musculus] | Contains protein domain (PF00569) - Zinc finger present in dystrophin, CBP/p300 | UNCLASSIFIED | 56182575, 22278995, 22278996, 22278997, 29331827, 29146499, 264509, 264906, 56182435, 264757, 21906754, 265010, 265017, 265019, 264681, 264682, 264683, 264686, 21906765, 21906767, 21906768, 21906769, 29148629, 265020, 52644150, 264690, 33657182, 264629, 18108376, 56182323, 22279002, 264563 |
| 2798 | 86198005 (5595, 5596) | Novel Protein sim. GBank gi 2852645 (AF007160) - unknown [Homo sapiens] | | UNCLASSIFIED | 264488, 264490, 264259, 264448, 20281149, 20281152, 264556, 264557, 264558, 264559, 264483, 264486, 264567 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 2799 | 88090651 (5597, 5598) | Novel Protein sim. GBank gi 3252825 (AC004382) - Unknown gene product [Homo sapiens] | | UNCLASSIFIED | 22278996, 22278997, 22278998, 22278999, 60432049, 264259, 29331828, 35696052, 29331828, 264909, 60433356, 33657402, 33109954, 87168474, 264448, 52644229, 21906766, 21906767, 21906768, 35695917, 265020, 265021, 265022, 52644150, 35695855, 264634, 60432113, 22279000, 264488, 56994075, 264259, 20281099, 29331825, 29331827, 264905, 56182435, 265006, 265011, 87168559, 265017, 265019, 264448, 264288, 264766, 264686, 60170615, 264691, 264692, 27486265, 264628, 264629, 264636, 264557, 264558, 264559, 87168518, 264564, 264566, 264567, 265007, 264687 |
| 2800 | 88318481 (5599, 5600) | Novel Protein sim. GBank gi 4240301 dbj BAA74929.1 - (AB020713) KIAA0906 protein [Homo sapiens] | | glycoprotein | |
| 2801 | 86068814 (5601, 5602) | | Contains protein domain (PF00627) - UBA domain | | |
| 2802 | 88082477 (5603, 5604) | Novel Protein sim. GBank gi 2337865 (AC002464) - organic cation transporter; 50% similarity to JC4884 (PID:g2143892) [Homo sapiens] | Contains protein domain (PF00083) - Sugar (and other) transporter | transport | 264448, 35695855 |
| 2803 | 79577446 (5605, 5606) | Novel Protein sim. GBank gi 4559368 gb AAD23029.1 AC00658 - (AC006585) hypothetical protein [Arabidopsis thaliana] | Contains protein domain (PF01585) - G-patch domain | UNCLASSIFIED | 264639 |
| 2804 | 57111131 (5607, 5608) | | | peptidase | 264566 |
| 2805 | 87398486 (5609, 5610) | | | | 264092, 264259, 29331822, 29331824, 29331827, 29331828, 264508, 265007, 265009, 21906754, 264369, 264288, 264632, 60170394, 264563, 264482 |
| 2806 | 87898951 (5611, 5612) | Novel Protein sim. GBank gi 1168973 sp P44403 CLPB_HAEIN - CLPB PROTEIN | | UNCLASSIFIED | 22278995, 22278996, 22278999, 264259, 29331822, 29331824, 29331826, 29331827, 29146498, 265008, 265009, 60433438, 265017, 265018, 265019, 264448, 264288, 21906765, 21906767, 21906769, 29148629, 265022, 52644150, 56182323 |

| | | | | | |
|------|-----------------------|--|---|-------------------|--|
| 2807 | 91720702 (5613, 5614) | Novel Protein sim. GBank gij4468310[embjCAB37991] - (AL031432) dJ465N24.1 (PUTATIVE novel protein similar to predicted yeast and worm proteins) [Homo sapiens] | | UNCLASSIFIED | 52644507, 52645156, 52646842, 18108398, 56182575, 22278994, 22278995, 22278996, 56994075, 35696286, 22278997, 22278998, 22278999, 264259, 52645080, 29331822, 29331824, 29331825, 29331826, 35696052, 29331828, 33656970, 264100, 264105, 264907, 52644045, 60433356, 264594, 60433438, 52644296, 87168474, 265011, 33657084, 265017, 265018, 265019, 87168559, 265017, 265018, 265019, 18108351, 264448, 264763, 264687, 52644229, 21906765, 21906766, 21906767, 21906768, 21906769, 35695917, 265021, 265022, 52644150, 33657023, 52645129, 33657109, 33657182, 27486261, 27486262, 27486264, 27486265, 35695763, 18108370, 18108372, 18108374, 18108376, 263977, 18108377, 35696423, 35695855, 52644332, 83373044, 18108385, 18108387, 87168518, 60432113 |
| 2808 | 95359111 (5615, 5616) | Novel Protein sim. GBank gij5541863[embjCAB51071.1] - (AL096857) hypothetical protein [Homo sapiens] | | MHC | 60432289, 264510, 265010, 265017, 265018, 264681, 264686, 265021, 264690, 22279000, 264566 |
| 2809 | 88083530 (5617, 5618) | Novel Protein sim. GBank gij272561 (AC004002) - similar to ciliary dynein beta heavy chain; 78% Similarity to P23098 (PID:g118965) [Homo sapiens] | | ATPase-associated | 18108351 |
| 2810 | 87259032 (5619, 5620) | | | UNCLASSIFIED | 264569, 22278996, 264091, 264259, 29331828, 29146499, 29148629, 29148784, 264693 |
| 2811 | 91235845 (5621, 5622) | Novel Protein sim. GBank gij3264583 (AC005189) - match to ESTs H97758 (NID:g1118643) and AA085546 (NID:g1628773) [Homo sapiens] | | UNCLASSIFIED | 22278999, 264259, 66712502, 264693 |
| 2812 | 88093334 (5623, 5624) | Novel Protein sim. GBank gij4240273[dbjBAA74915.1] - (AB020699) KIAA0892 protein [Homo sapiens] | | UNCLASSIFIED | 264106 |
| 2813 | 91218755 (5625, 5626) | Novel Protein sim. GBank gij3548791 (AC005620) - R33590.1 [Homo sapiens] | | UNCLASSIFIED | 56182575, 29331828, 264906, 66712502, 55811386, 265017, 265018, 265019, 264683, 265020, 87168518, 60432113 |
| 2814 | 90980906 (5627, 5628) | | Contains protein domain (PF00170) - bZIP transcription factor | transcript factor | 65274572 |
| 2815 | 79774521 (5629, 5630) | Novel Protein sim. GBank gij5420389[embjCAB46680.1] - (AJ243460) proteophosphoglycan [Leishmania major] | | UNCLASSIFIED | 264907, 264909 |
| 2816 | 95358229 (5631, 5632) | | | UNCLASSIFIED | 264488, 35696286, 29331825, 29331828, 264508, 264509, 264905, 264906, 264907, 264908, 264909, 264511, 264910, 265011, 264760, 264681, 264766, 264769, 264689, 21906765, 264693, 264628, 18108370, 264629, 264631, 264634, 264563, 264564, 264566, 264486 |

| | | | | | |
|------|-----------------------|---|--|--------------|--|
| 2817 | 87749542 (5633, 5634) | Novel Protein sim. GBank gi1293846 (U56966) - coded for by C. elegans cDNA yk30b3.5; coded for by C. elegans cDNA yk30b3.3 [Caenorhabditis elegans] | | | 264259, 29331822, 29331827, 264508, 264509, 264905, 264907, 264908, 264909, 56182435, 264510, 265006, 264511, 264512, 264593, 264758, 265010, 264760, 264761, 264764, 264288, 264687, 264769, 55811957, 35695917, 33657109, 263978, 264634, 264636, 264639, 264584, 264585, 264566, 264486, 264567, 66712502 |
| 2818 | 88073579 (5635, 5636) | Novel Protein sim. GBank gi1549986 (U13149) - possible apospory-associated protein [Pennisetum ciliare] | Contains protein domain (PF00023) - Ank repeat | UNCLASSIFIED | |
| 2819 | 87793527 (5637, 5638) | | | UNCLASSIFIED | 264909, 264511 |
| 2820 | 87765744 (5639, 5640) | Novel Protein sim. GBank gi14929773 [gb AAD34147.1 AF15209] CGI-05 protein [Homo sapiens] | Contains protein domain (PF00919) - Uncharacterized protein family UPF0004 | UNCLASSIFIED | 18108394, 52646365, 52644045, 264112, 265009, 21906754, 265017, 18108351, 264683, 264369, 264686, 264769, 21906769, 33657023, 33657109, 18108370, 18108374, 18108377, 18108385, 264636 |
| 2821 | 95320511 (5641, 5642) | Novel Protein sim. GBank gi1399144 [sp P02747 C1QC_HUMAN - COMPLEMENT C1Q SUBCOMPONENT, C CHAIN PRECURSOR | Contains protein domain (PF00386) - C1q domain | complement | |
| 2822 | 94260221 (5643, 5644) | Novel Protein sim. GBank gi12224671 [dbj BAA20820] - (AB002363) KIAA0365 [Homo sapiens] | | UNCLASSIFIED | 264259, 29331822, 60432289, 264905, 60433356, 33657402, 265011, 264760, 21906765, 60170615, 264638, 264766 |
| 2823 | 95320513 (5645, 5646) | Novel Protein sim. GBank gi1399144 [sp P02747 C1QC_HUMAN - COMPLEMENT C1Q SUBCOMPONENT, C CHAIN PRECURSOR | Contains protein domain (PF00386) - C1q domain | complement | |
| 2824 | 95320515 (5647, 5648) | Novel Protein sim. GBank gi1399144 [sp P02747 C1QC_HUMAN - COMPLEMENT C1Q SUBCOMPONENT, C CHAIN PRECURSOR | | UNCLASSIFIED | 264907 |
| 2825 | 19742170 (5649, 5650) | | | | 264760 |
| 2826 | 94311905 (5651, 5652) | Novel Protein sim. GBank gi13859683 [emb CAA22020] - (AL033503) conserved hypothetical protein [Candida albicans] | | | 52645156, 22278994, 35696286, 22278997, 22278998, 52645080, 29331822, 29331824, 29331825, 29331827, 35696052, 29331828, 33656970, 52644045, 52646317, 33657084, 52644296, 265017, 265018, 265019, 264288, 21906764, 21906765, 21906766, 21906767, 21906769, 35695917, 52644150, 33657109, 33657182, 27486261, 27486262, 33657349, 27486265, 35695763, 35696423, 35695855, 52644332, 18108385, 87168518, 264484 |

| | | | | | |
|------|-----------------------|--|---|-------------------|--|
| 2827 | 95320519 (5653, 5654) | Novel Protein sim. GBank gi 399144 sp p02747 C1QC_HUMAN - COMPLEMENT C1Q SUBCOMPONENT, C CHAIN PRECURSOR | Contains protein domain (PF00386) - C1q domain | complement | 264488, 263994, 264489, 65274572, 29331822, 66714117, 29331827, 29331828, 264508, 264905, 264509, 264906, 264907, 264908, 264909, 264510, 265006, 264511, 265007, 264512, 265008, 264910, 264591, 60432229, 264592, 264593, 264595, 264596, 21906754, 265011, 264600, 264601, 264602, 265017, 264604, 264605, 264288, 264766, 264767, 264689, 55811957, 264534, 264690, 264691, 264692, 264693, 263972, 264629, 35695855, 264631, 264634, 264635, 264555, 264638, 264637, 264558, 264638, 264558, 83373044, 18108385, 60432113, 22279002, 264563, 264564, 264565, 264566, 264567, 264486, 18108391 |
| 2828 | 91229615 (5655, 5656) | Novel Protein sim. GBank gi 35988974 (AF077000) - protein tyrosine phosphatase TD14 [Rattus norvegicus] | Contains protein domain (PF00102) - Protein-tyrosine phosphatase | phosphatase | 29331822, 35696052, 264104, 264908, 265007, 264591, 265010, 265011, 265019, 264766, 264686, 55811957, 18108370, 18108374, 55810764, 35696423, 55811576, 56182323, 83373044, 87168518 |
| 2829 | 87651244 (5657, 5658) | Novel Protein sim. GBank gi 4680889 gb AAD27734.1 AF13295 - (AF132959) CGI-25 protein [Homo sapiens] | | | 22278996, 22278997, 264091, 264093, 60432049, 264259, 29331822, 29331825, 29331827, 29331828, 264905, 264509, 66712502, 264510, 264511, 264593, 60433438, 21906754, 265011, 264603, 18108351, 264288, 21906765, 21906768, 21906769, 29148629, 52644150, 264693, 33657109, 18108374, 264634, 18108385, 60432113, 22279000, 264565, 264486 |
| 2830 | 88087109 (5659, 5660) | Novel Protein sim. GBank gi 2498667 sp Q61200 NPH1_MOUSE - NEUREXOPHILIN 1 | | | 265008, 265019, 264639, 22279002 |
| 2831 | 87614717 (5661, 5662) | | | UNCLASSIFIED | 265017 |
| 2832 | 87631809 (5663, 5664) | | | UNCLASSIFIED | 22278997, 22278999, 52646317, 264288, 264688, 21906767, 60431528, 264638, 22279000 |
| 2833 | 87612938 (5665, 5666) | Novel Protein sim. GBank gi 5262615 emb CAB45747.1 - (AL080156) hypothetical protein [Homo sapiens] | | UNCLASSIFIED | 264555, 264556, 264558 |
| 2834 | 86974703 (5667, 5668) | Novel Protein sim. GBank gi 2224567 dbj BAA20772 - (AB002311) KIAA0313 [Homo sapiens] | | | 263972 |
| 2835 | 87775712 (5669, 5670) | Novel Protein sim. GBank gi 4589532 dbj BAA76788.1 - (AB023161) KIAA0944 protein [Homo sapiens] | | ATPase-associated | 60432289, 29331828, 265008, 265010, 265017, 264448, 55811957, 265020, 18108370 |
| 2836 | 85724748 (5671, 5672) | Novel Protein sim. GBank gi 2351568 (U76618) - N-RAP [Mus musculus] | Contains protein domain (PF00412) - LIM domain containing proteins | transcript factor | 264259, 264112, 265010, 264762, 264764, 263974, 264555, 264558, 264559 |

| | | | | | |
|------|-----------------------|---|--|--------------|--|
| 2837 | 87765482 (5673, 5674) | Novel Protein sim. GBank gij5420387[embjCAB46679.1] - (AJ243459) proteophosphoglycan [Leishmania major] | | UNCLASSIFIED | 18108394, 22278997, 22278998, 29331822, 264907, 264909, 265006, 265007, 265018, 265019, 264682, 264288, 21906766, 21906767, 55811957, 35695917, 18108374, 56182323, 18108397, 22279000, 22279002 |
| 2838 | 87775392 (5675, 5676) | Novel Protein sim. GBank gij973378 (U31263) - core protein [Hepatitis C virus] | | UNCLASSIFIED | 18108394, 18108397, 264259, 29331826, 265007, 265019, 264448, 18108368, 20281149, 264565, 264567 |
| 2839 | 85799317 (5677, 5678) | Novel Protein sim. GBank gij1575515 (U64899) - thrombospondin-related anonymous protein [Plasmodium gallinaceum] | | UNCLASSIFIED | 264555 |
| 2840 | 87774665 (5679, 5680) | Novel Protein sim. GBank gij2224605[dbjBAA20790] - (AB002330) KIAA0332 [Homo sapiens] | Contains protein domain (PF00076) - RNA recognition motif (a.k.a. RRM, RBD, or RNP domain) | | 264509, 264511, 265011, 264288, 264769, 265020, 264634, 264636, 264556 |
| 2841 | 86982568 (5681, 5682) | Novel Protein sim. GBank gij557895[embjCAB51350.1] - (AL050306) dJ475B7.1 (novel KIAA0615 and KIAA0323 LIKE protein) [Homo sapiens] | | | 56182575, 35696052, 264907, 264908, 264909, 264910, 264593, 264595, 264766, 265022, 264691, 33657182, 35695763, 18108370, 35695855, 264631, 284559, 264563, 264567 |
| 2842 | 80080086 (5683, 5684) | Novel Protein sim. GBank gij557895[embjCAB51350.1] - (AL050306) dJ475B7.1 (novel KIAA0615 and KIAA0323 LIKE protein) [Homo sapiens] | | UNCLASSIFIED | 264600 |
| 2843 | 91012494 (5685, 5686) | Novel Protein sim. GBank gij557895[embjCAB51350.1] - (AL050306) dJ475B7.1 (novel KIAA0615 and KIAA0323 LIKE protein) [Homo sapiens] | | | 264906, 264907, 264908, 264909, 264910, 264764, 35695855, 83373044, 18108385 |
| 2844 | 56731154 (5687, 5688) | Novel Protein sim. GBank gij585123[spjQ08878]FBLN_MOUSE - FIBULIN-1, ISOFORM C PRECURSOR (BASEMENT-MEMBRANE PROTEIN 90) (BM-90) | Contains protein domain (PF00008) - EGF-like domain | | 264685 |
| 2845 | 94321719 (5689, 5690) | Novel Protein sim. GBank gij5420387[embjCAB46679.1] - (AJ243459) proteophosphoglycan [Leishmania major] | | homeobox | 29146498, 87168474, 264686, 35696423, 83373044, 264564 |
| 2846 | 88318613 (5691, 5692) | Novel Protein sim. GBank gij5306263[gbjAAD41995.1]AC006233 - (AC006233) unknown protein [Arabidopsis thaliana] | | UNCLASSIFIED | 29331830, 264909, 265008, 265011, 87168559, 264629, 264556 |
| 2847 | 81811757 (5693, 5694) | Novel Protein sim. GBank gij3399676 (AC005390) - R31180.1 [Homo sapiens] | | UNCLASSIFIED | 264908, 264766, 264769, 264629, 264637, 264566 |
| 2848 | 87612943 (5695, 5696) | Novel Protein sim. GBank gij5262615[embjCAB45747.1] - (AL080156) hypothetical protein [Homo sapiens] | | UNCLASSIFIED | 264490, 264259, 264508, 264905, 264907, 264510, 265007, 265008, 264591, 264592, 264593, 264594, 264595, 55812038, 265010, 265011, 264604, 264763, 264764, 264765, 264766, 264886, 264628, 264629, 264555, 264636, 264556, 264557, 264638, 264558, 264559, 264563, 264566, 264567 |
| 2849 | 88084283 (5697, 5698) | Novel Protein sim. GBank gij3342218 (AC004131) - Unknown gene product [Homo sapiens] | | | 29331822, 35696052, 264509, 264906, 265007, 264594, 265018, 264288, 263972, 35696423, 18108384, 55826486, 18108390, 35696286, 265008, 265009, 265018, 264288, 35695917, 264693, 18108374, 35695855, 22279000 |
| 2850 | 87623636 (5699, 5700) | | | UNCLASSIFIED | |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 2851 | 87820548 (5701, 5702) | Novel Protein sim. GBank gij4321619[gb AAD15788.1] - (AF051098) seven transmembrane domain orphan receptor [Mus musculus] | | UNCLASSIFIED | 264906, 264907, 56182435, 264758, 55811386, 265010, 18108351, 264448, 264369, 21906765, 264691, 264692, 264693, 35695855, 264556, 18108385, 264567, 264591 |
| 2852 | 86987023 (5703, 5704) | Novel Protein sim. GBank gij1825729 (U88308) - similar to drosophila membrane protein PATCHED SP:P18502 (PID:g129645) [Caenorhabditis elegans] | | UNCLASSIFIED | |
| 2853 | 87784630 (5705, 5706) | Novel Protein sim. GBank gij2702347 (AF027503) - putative membrane-associated guanylate kinase 1 [Mus musculus] | Contains protein domain (PF00397) - WW domain | kinase | 56182575, 55811150, 264690, 27486262, 27486265, 264632, 56182323, 56526486, 22279002 |
| 2854 | 88083557 (5707, 5708) | Novel Protein sim. GBank gij2795825 (AC004021) - kelch protein; ring canal component involved in cytoplasmic bridges; 77% similarity to A45773 (PID:g1079096) [Homo sapiens] | Contains protein domain (PF01344) - Kelch motif | dna_rna_bind | 35696286, 29331824, 29331826, 29331828, 264908, 264768, 264693, 22279002, 264482 |
| 2855 | 94723856 (5709, 5710) | Novel Protein sim. GBank gij1504040[dbj BAA13219] - (D86983) similar to D.melanogaster peroxidase(U11052) [Homo sapiens] | Contains protein domain (PF00560) - Leucine Rich Repeat | glycoprotein | 22278994, 29331822, 29331824, 29331825, 264906, 264908, 265009, 33109954, 265018, 265019, 264448, 21906765, 265020, 264690, 27486265, 83373044, 22279000, 22279002, 264482 |
| 2856 | 88093358 (5711, 5712) | Novel Protein sim. GBank gij3264583 (AC005189) - match to ESTs H97758 (NID:g1118643) and AA085546 (NID:g1628773) [Homo sapiens] | | | 21906766, 22278997, 265022, 29331822, 29331826, 27486262, 265007, 265009, 265017, 264482, 264563, 18108351 |
| 2857 | 85348286 (5713, 5714) | Novel Protein sim. GBank gij3041855 (AC004537) - similar to tumor suppressor p33ING1; similar to AF044076 (PID:g2829208) [Homo sapiens] | Contains protein domain (PF00628) - PHD-finger | struct | 22278995, 35696286, 29331824, 29331825, 35698052, 264103, 264108, 56182435, 21906765, 21906769, 265020, 18108368, 35695763, 22279002, 264563 |
| 2858 | 87434748 (5715, 5716) | Novel Protein sim. GBank gij462585[sp P35227 ME18_HUMAN - DNA-BINDING PROTEIN MEL-18 (ZINC FINGER PROTEIN 144)] | Contains protein domain (PF00097) - Zinc finger, C3HC4 type (RING finger) | dna_rna_bind | 264569, 264887, 22278995, 22278996, 22278997, 22278999, 264259, 29331826, 29331827, 29331828, 264509, 264905, 264906, 29331830, 264908, 52644045, 264909, 264511, 264512, 265007, 265008, 264910, 265009, 264593, 60433356, 264595, 264758, 21906754, 265010, 265011, 264604, 265018, 264760, 18108351, 264763, 264682, 264764, 264765, 264288, 264369, 264685, 264766, 264768, 18108357, 264769, 21906766, 21906767, 265021, 264534, 60170615, 264691, 264692, 18108370, 264629, 18108374, 264631, 264636, 263981, 18108381, 264558, 18108385, 22279002, 264564, 264566, 264486, 264567 |
| 2859 | 90937675 (5717, 5718) | Novel Protein sim. GBank gij4325320[gb AAD17331.1] - (AF124427) claudin-15 [Mus musculus] | | UNCLASSIFIED | 60424179, 65274572, 29331828, 264905, 264511, 264758, 265011, 21906767, 21906769, 55811957, 265021, 56182323 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 2860 | 87532599 (5719, 5720) | Novel Protein sim. GBank gi 4469186 emb CAB38414.1 - (AL031588) dJ1163J1.2.1 (novel protein similar to C. elegans B0035.16 and bacterial tRNA (5-Methylaminomethyl-2-thiouridylylate)-Methyltransferases) (isoform 1) [Homo sapiens] | | UNCLASSIFIED | 264259, 29331822, 29331824, 29331825, 29331826, 29331827, 29331828, 264510, 264511, 33109954, 18108351, 264683, 264765, 264369, 264686, 21906765, 264691, 264692, 264693, 18108388, 22279002, 264482 |
| 2861 | 86698507 (5721, 5722) | Novel Protein sim. GBank gi 3941730 (AF108083) - BS4 [Homo sapiens] | | | 264369, 264692 |
| 2862 | 87569585 (5723, 5724) | Novel Protein sim. GBank gi 4505013 ref NP_002310.1 pLRN - leucine-rich neuronal protein | | UNCLASSIFIED | 264691, 264638 |
| 2863 | 91220421 (5725, 5726) | Novel Protein sim. GBank gi 3249088 (AC004473) - Contains similarity to goliath protein gb M97204 from D. melanogaster. [Arabidopsis thaliana] | Contains protein domain (PF000096) - Zinc finger, C2H2 type | struct | 56994075, 35696286, 22278998, 29331822, 29331824, 35696052, 29331828, 264106, 264511, 55812038, 33657084, 55811386, 265018, 265019, 21906765, 21906766, 21906769, 35695917, 265020, 265022, 33657023, 33657109, 33657349, 264629, 18108376, 60431850, 56182323, 18108385, 18108387, 87168518, 22279002 |
| 2864 | 87420030 (5727, 5728) | Novel Protein sim. GBank gi 1079451 pir A55463 - Tropomodulin, skeletal muscle - chicken | | struct | 264259, 264910 |
| 2865 | 95312191 (5729, 5730) | Novel Protein sim. GBank gi 438840 (L19048) - MSA-2 [Plasmodium falciparum] | | | 22278995, 21906764, 264482 |
| 2866 | 95105480 (5731, 5732) | Novel Protein sim. GBank gi 585703 sp Q07066 PMP2_RAT - 22 KD PEROXISOMAL MEMBRANE PROTEIN | | glycoprotein | 65274572, 22278996, 22278998, 22278999, 264259, 29331824, 29331827, 29331828, 60433438, 21906754, 265018, 264448, 264764, 52844150, 83373044 |
| 2867 | 86908001 (5733, 5734) | Novel Protein sim. GBank gi 4580897 gb AAD24571.1 AF12108 - (AF121081) CAMP inducible 2 protein [Mus musculus] | | UNCLASSIFIED | 264488, 264768, 21906768, 22278998, 265022, 264259, 264508, 264905, 264907, 264511, 264910, 264635, 264636, 264637, 265011, 265017, 265018, 265019, 264563, 264088, 264566, 264764, 264369, 264567, 264486, 264288, 264768 |

| | | | | |
|------|-----------------------|---|--------------|--|
| 2868 | 95303283 (5735, 5736) | Novel Protein sim. GBank gi 1292868 emb CAA63923 - (X94232) t-Cell activation protein [Homo sapiens] | | 18108392, 264488, 22278994, 22278997, 22278998, 22278999, 60432049, 264259, 29331822, 29331824, 29331825, 60432289, 29331826, 29331827, 35696052, 29331828, 264508, 52644045, 264828, 265006, 265007, 265008, 265009, 264591, 60432229, 264593, 60433356, 264595, 21906754, 265017, 265019, 264682, 264369, 21906765, 21906766, 21906767, 21906768, 265021, 265022, 264691, 33657182, 18108368, 27486261, 27486262, 27486264, 27486265, 18108370, 18108374, 35696423, 35695855, 264632, 56182323, 87168518, 264404, 22279000, 22279002, 264482, 264563, 264564, 264567, 264487 |
| 2869 | 86094412 (5737, 5738) | | UNCLASSIFIED | 264369 |
| 2870 | 84404574 (5739, 5740) | | UNCLASSIFIED | 264905, 264908, 264764, 21906769, 264634 |
| 2871 | 86318621 (5741, 5742) | Novel Protein sim. GBank gi 5306263 gb AAD41995.1 AC00623 - (AC006233) unknown protein [Arabidopsis thaliana] | UNCLASSIFIED | 264259, 29331822, 60432289, 29331827, 264907, 265008, 265017, 265018, 264682, 264764, 18108354, 265021, 27486265, 264629, 18108387, 264567 |
| 2872 | 95312197 (5743, 5744) | Novel Protein sim. GBank gi 112205 pir B39066 - proline-rich protein 15 - rat | kinase | 263981 |
| 2873 | 86094252 (5745, 5746) | | UNCLASSIFIED | 264488, 18108374, 264768, 264687, 264688, 264689, 35696423, 35696286, 35695917, 264510, 264511, 265007, 264512, 265008, 264910, 264534, 264634, 264635, 264555, 264592, 264259, 264558, 60433438, 60432289, 35696052, 265011, 264600, 264601, 60432113, 264508, 264563, 264482, 264509, 264905, 264908, 264564, 18108351, 264763, 18108370, 264907, 264566, 264908, 264764, 264288, 264567, 264909, 264486, 264766, 18108391 |

| | | | | | |
|------|-----------------------|---|--|--------------|--|
| 2874 | 94313549 (5747, 5748) | Novel Protein sim. GBank gi 3212854 (AC004005) - unknown protein [Arabidopsis thaliana] | | UNCLASSIFIED | 52644507, 52645156, 52646365, 56182575, 22278994, 22278995, 56994075, 35696286, 60432049, 264259, 52645080, 29331822, 56182181, 29331824, 60424269, 29331825, 66714117, 29331826, 29331827, 35696052, 29331828, 33656970, 66712502, 52644045, 265007, 265009, 60433356, 264758, 55812038, 18108348, 52646317, 33109954, 33657084, 265017, 264604, 265018, 265019, 264682, 264369, 264288, 264688, 52644229, 21906766, 21906767, 21906768, 55811957, 265020, 265021, 265022, 52644150, 33657023, 52645129, 18108374, 18108376, 35696423, 56182323, 18108387, 87168518, 60432113, 22279000, 22279002, 264563, 264565 |
| 2875 | 88083726 (5749, 5750) | Novel Protein sim. GBank gi 2781386 (AC004010) - similar to Leucine-rich transmembrane proteins; 44% similarity to U42767 (PID:gi1736918) [Homo sapiens] | Contains protein domain (PF00560) - Leucine Rich Repeat | | 22278996, 22278997, 22278999, 29331826, 29331828, 29146499, 66712502, 265008, 265017, 18108351, 264683, 264689, 21906767, 18108376, 18108377, 55811576, 60170394, 22279000, 264487 |
| 2876 | 88090854 (5751, 5752) | Novel Protein sim. GBank gi 2979530 (AC004449) - R33683_2 [Homo sapiens] | Contains protein domain (PF00167) - Fibroblast growth factor | Ig1 | |
| 2877 | 94747029 (5753, 5754) | Novel Protein sim. GBank gi 4704208 emb CAB41646.1 - (AL035419) dJ1100H13.1 (putative novel protein) [Homo sapiens] | | | 52646365, 65274572, 56182575, 22278997, 22278998, 22278999, 60432049, 52645080, 60424269, 60432289, 29331827, 35696052, 29331828, 66712502, 52644045, 56182435, 60433356, 33657402, 33657084, 265019, 55811150, 264448, 264369, 21906766, 21906768, 21906769, 265020, 33657023, 33657109, 33657182, 27486262, 264629, 60431528, 55811576, 52644332, 56182323, 264558, 83373044, 18108385, 56526486, 60432113, 22279000, 22279002, 264563 |
| 2878 | 88095309 (5755, 5756) | Novel Protein sim. GBank gi 3876775 emb CAB03067 - (Z81077) predicted using Genefinder; Similarity to Yeast protein 8248 (TR:G587531) [Caenorhabditis elegans] | Contains protein domain (PF01207) - Uncharacterized protein family UPF0034 | UNCLASSIFIED | 264488, 264259, 29331822, 29331826, 264905, 264509, 264907, 264909, 264510, 265006, 264511, 264512, 33657402, 264758, 21906754, 18108351, 264681, 264682, 264288, 264684, 264685, 264768, 264689, 21906769, 264690, 33657023, 264693, 18108384, 33657109, 264629, 18108374, 264630, 264632, 264556, 264637, 264639, 264558, 18108385, 18108387, 264563, 264564, 264565, 264566, 264486, 264567 |

| | | | | | |
|------|-----------------------|--|---|-------------------|--|
| 2879 | 87869122 (5757, 5758) | Novel Protein sim. GBank gij4895145jgb AAD32752.1 - (AF127374) unknown [Streptomyces lavendulae] | Contains protein domain (PF00315) - Uracil-DNA glycosylase | UNCLASSIFIED | 18108359, 264259, 264905, 18108370, 264629, 264908, 264909, 18108374, 18108377, 265006, 264910, 264637, 60170394, 264558, 265017, 264564, 264565, 264567, 264684, 264369 |
| 2880 | 94851439 (5759, 5760) | Novel Protein sim. GBank gij4680703jgb AAD27741.1 AF13296 - (AF132966) CGI-32 protein [Homo sapiens] | | | 264488, 52646365, 52646842, 22278994, 35696286, 22278998, 22278999, 264259, 29331822, 29331824, 29331825, 29331826, 29331827, 35696052, 29331828, 264107, 264508, 264509, 264905, 264906, 264907, 264908, 264909, 52644045, 264510, 265006, 264511, 265007, 264512, 265009, 264910, 264594, 21906754, 52646317, 52644296, 87168559, 264600, 264604, 264605, 264760, 264764, 264288, 264766, 264768, 264687, 264769, 21906766, 21906769, 35695917, 265021, 264690, 264692, 33657023, 52645129, 33657109, 33657182, 27486262, 33657349, 264629, 18108374, 35695855, 264634, 264635, 264636, 264637, 264638, 264557, 52644332, 264558, 264559, 83373044, 264404, 22279000, 264553, 264483, 264567, 264486 |
| 2881 | 87650539 (5761, 5762) | Novel Protein sim. GBank gij733571 (U23452) - No definition line found [Caenorhabditis elegans] | | UNCLASSIFIED | 22278998, 29331822, 52644045, 21906765, 264639, 60432113 |
| 2882 | 87714367 (5763, 5764) | Novel Protein sim. GBank gij118112 (U41559) - No definition line found [Caenorhabditis elegans] | | | 264488, 22278996, 22278999, 29331822, 29331826, 264908, 60170831, 60433356, 55812038, 264681, 264682, 264686, 264687, 264688, 21906768, 21906769, 264693, 263967, 18108374, 55811576, 56182323, 22279002, 264566 |
| 2883 | 95362875 (5765, 5766) | Novel Protein sim. GBank gij4868008jgb AAD31087.1 AF10693 - (AF106934) vitamin D receptor-interacting protein [Homo sapiens] | Contains protein domain (PF00400) - WD domain, G-beta repeat | UNCLASSIFIED | |
| 2884 | 87784643 (5767, 5768) | Novel Protein sim. GBank gij2224697jdbj BAA20832 - (AB002376) KIAA0378 [Homo sapiens] | | UNCLASSIFIED | 265018, 264634 |
| 2885 | 83006308 (5769, 5770) | Novel Protein sim. GBank gij1255889 (U53344) - T07H6.5 gene product [Caenorhabditis elegans] | | UNCLASSIFIED | 264686, 264693 |
| 2886 | 91237823 (5771, 5772) | Novel Protein sim. GBank gij3882323jdbj BAA34521.1 - (AB018344) KIAA0801 protein [Homo sapiens] | Contains protein domain (PF00084) - Sushi domain (SCR repeat) | complement/recept | 60432049, 264259, 29331828, 264908, 264511, 264595, 60433438, 264596, 265017, 264605, 263969, 263972, 264555, 83373044, 87168518, 264566 |
| 2887 | 91227860 (5773, 5774) | Novel Protein sim. GBank gij4508015jref NP_003447.1 pZNF2 - zinc finger protein 205 | | UNCLASSIFIED | 18108351, 264686, 264629, 264631, 264639, 83373044, 264482 |
| 2888 | 95105816 (5775, 5776) | Novel Protein sim. GBank gij4508015jref NP_003447.1 pZNF2 - zinc finger protein 205 | Contains protein domain (PF00096) - Zinc finger, C2H2 type | transcript/factor | 264488, 264259, 29331828, 264508, 264906, 264593, 264758, 264766, 264769, 18108374, 83373044, 264486 |

| | | | | | | |
|------|-----------------------|---|--|---|-------------------|--|
| 2889 | 87606562 (5777, 5778) | | | | UNCLASSIFIED | 5694075, 29331824, 265009, 264760, 18108354, 264288, 264591, 264766 |
| 2890 | 78703853 (5779, 5780) | Novel Protein sim. GBank gi 854065 emb CAA58337 - (X83413) U88 [Human herpesvirus 6] | | | UNCLASSIFIED | |
| 2891 | 88094428 (5781, 5782) | Novel Protein sim. GBank gi 3877750 emb CAB01508 - (Z78064) predicted using Genefinder; similar to collagen; cDNA EST EMBL:D65865 comes from this gene; cDNA EST EMBL:D69451 comes from this gene; cDNA EST EMBL:D66026 comes from this gene; cDNA EST EMBL:D69658 comes from this gene... | | | UNCLASSIFIED | 264591, 264595, 264369, 264685, 264693, 264628, 264583, 264566 |
| 2892 | 95419745 (5783, 5784) | Novel Protein sim. GBank gi 4929759 gb AAD34140.1 AF15190 - (AF151903) CGI-145 protein [Homo sapiens] | | | UNCLASSIFIED | 65274572, 35696286, 29331828, 264110, 265009, 60433438, 265018, 265019, 18108351, 264288, 21906765, 21906766, 21906769, 55811957, 264690, 65274620, 263967, 35695855 |
| 2893 | 87798014 (5785, 5786) | | | | UNCLASSIFIED | 264259, 265010, 264682, 18108370, 264555, 264556 |
| 2894 | 87755985 (5787, 5788) | Novel Protein sim. GBank gi 5669015 gb AAD46135.1 - (AF080171) zinc finger protein ZNF232 [Homo sapiens] | | Contains protein domain (PF00096) - Zinc finger, C2H2 type | transcript factor | 264259, 265006, 60433438, 52844296, 265011, 264369, 35695917, 18108381, 18108382, 18108388 |
| 2895 | 86938778 (5789, 5790) | Novel Protein sim. GBank gi 3924708 emb CAA84646 - (Z35597) Weak similarity with sea squirt nidogen precursor protein (blastp score 71); cDNA EST EMBL:T02069 comes from this gene; cDNA EST EMBL:D76135 comes from this gene; cDNA EST EMBL:D73147 comes from this gene; cDNA EST EMB... | | Contains protein domain (PF01437) - Plexin repeat | | 29331824, 265007, 264762, 264636, 264563 |
| 2896 | 87752122 (5791, 5792) | Novel Protein sim. GBank gi 4885549 ref NP_005456.1 pPKBG - protein kinase B gamma | | Contains protein domain (PF00069) - kinase Eukaryotic protein kinase domain | kinase | 18108392, 18108394, 18108398, 22278998, 264259, 29331822, 29331824, 29146499, 264906, 264908, 265007, 265009, 265018, 265019, 264369, 264685, 264689, 21906766, 265021, 264693, 33657182, 264639, 18108384, 18108388, 264567 |
| 2897 | 95413057 (5793, 5794) | Novel Protein sim. GBank gi 450287 ref NP_001296.1 pCLDN - Clostridium perfringens enterotoxin receptor 1 | | | UNCLASSIFIED | 60424179, 56182575, 22278996, 35696286, 22278997, 22278999, 60432049, 264259, 29331824, 29331825, 60424269, 60432289, 29331826, 29331828, 35696052, 264908, 56182435, 265009, 264910, 60170831, 60431735, 60433356, 60433438, 65274444, 55811386, 265018, 18108351, 264448, 264288, 264687, 21906765, 21906766, 21906767, 21906769, 55811957, 35695917, 264534, 33657023, 33657109, 35695763, 264628, 264629, 60431528, 18108374, 55810764, 55811576, 35696423, 35695855, 264555, 56182323, 18108385, 264404, 22279000, 22279002, 264566 |
| 2898 | 87750340 (5795, 5796) | | | | UNCLASSIFIED | 22278995, 264604, 18108385, 264566 |

| | | | | | |
|------|-----------------------|--|--|------------------------------|---|
| 2899 | 80357670 (5797, 5798) | | Novel Protein sim. GBank gi 4581470 emb CAB40137.1 - (Y18483) SLC7A8 protein [Homo sapiens] | UNCLASSIFIED glycoprotein | 264764, 21906764, 264692 65274572, 56182575, 35696286, 60432049, 264259, 29331824, 66714117, 29331826, 35696052, 29331828, 66712502, 56182435, 265006, 265007, 265008, 265009, 60433356, 264758, 265018, 264764, 264765, 264288, 264768, 21906764, 21906768, 21906769, 265020, 264692, 264693, 32833986, 264631, 83373044, 60432113 |
| 2901 | 87444731 (5801, 5802) | | Novel Protein sim. GBank gi 4759272 ref NP_004614.1 pTTC4 - tetrairicopeptide repeat domain 4 | phosphatase | 22278995, 22278997, 22278999, 60432049, 29331822, 29331824, 29331825, 29331827, 35696052, 33656970, 264910, 265009, 21906754, 33657084, 87168474, 265010, 265018, 21906764, 21906765, 21906766, 21906767, 21906769, 33657023, 264693, 33657109, 33657349, 35696423, 35695855, 263981, 56182323, 22279002 264683, 264691 |
| 2902 | 85745271 (5803, 5804) | | Novel Protein sim. GBank gi 2414615 emb CAB16364 - (Z99259) hypothetical protein [Schizosaccharomyces pombe] | | |
| 2903 | 87606733 (5805, 5806) | | Novel Protein sim. GBank gi 1079318 pir S52241 - XLCL2 protein - African clawed frog | | 264887, 22278994, 264259, 29331826, 29331828, 264905, 52644045, 56182435, 264511, 265017, 265018, 18108351, 264448, 264683, 264769, 264689, 35695917, 52644150, 87168518, 60432113, 22279002 |
| 2904 | 86458072 (5807, 5808) | | Novel Protein sim. GBank gi 5639823 gb AAD45885.1 AF14367 - (AF143676) multispanning nuclear envelope membrane protein nurim [Homo sapiens] | UNCLASSIFIED | 52646365, 22278999, 264259, 35696052, 265011, 265017, 264683, 264769, 35695917, 265020, 263967, 18108374, 35695855, 264637, 264952, 18108385, 18108387 265009, 264681, 264682 |
| 2905 | 84449926 (5809, 5810) | | Novel Protein sim. GBank gi 728837 sp P39194 ALU7_HUMAN - IIII ALU SUBFAMILY SQ WARNING ENTRY IIII | oncogene | |
| 2906 | 95341051 (5811, 5812) | | Novel Protein sim. GBank gi 4689256 gb AAD27831.1 AF12185 - (AF121858) sorting nexin 8 [Homo sapiens] | UNCLASSIFIED | 22278996, 35696286, 22278998, 264259, 60432289, 29331828, 29331830, 66712502, 265009, 60170831, 33109954, 264448, 264683, 264288, 264689, 21906766, 21906767, 21906768, 55811957, 35695917, 265022, 52644150, 264691, 33657023, 264692, 264693, 35695855, 60432113, 264566 |

| | | | | | |
|------|-----------------------|---|--|--------------|--|
| 2807 | 91211383 (5813, 5814) | Novel Protein sim. GBank gi11707079 (U80451) - contains strong similarity to a DNAJ-like domain (PS:PS00636) [Caenorhabditis elegans] | Contains protein domain (PF00226) - DnaJ domain | eph | 52644507, 56182575, 56181686, 22278995, 56994075, 35696286, 60432049, 58182181, 35696032, 60431735, 264595, 55812038, 21906754, 55811386, 265019, 264682, 264369, 56181562, 21906766, 55811957, 35695917, 265020, 265021, 33657023, 33657109, 60431528, 55811576, 35696423, 35695855, 264638, 22279000 |
| 2808 | 80414246 (5815, 5816) | Novel Protein sim. GBank gi12673917 (AC002561) - putative ATP-dependent RNA helicase [Arabidopsis thaliana] | | helicase | 265009, 33109954, 18108351, 264766, 265021, 264691, 264692, 18108374, 264556, 264638, 264557, 264558 |
| 2809 | 87420225 (5817, 5818) | | | eph | 264259, 87168474, 265018, 18108365, 264628 |
| 2810 | 86601075 (5819, 5820) | Novel Protein sim. GBank gi14539335[emb] (CAB37483.1) - (AL035539) putative protein [Arabidopsis thaliana] | | | 22278995, 264509, 264512, 265007, 33657402, 265017, 264369, 265022, 18108365, 264628 |
| 2811 | 94216615 (5821, 5822) | Novel Protein sim. GBank gi14469187[emb] (CAB38415.1) - (AL031588) dJ1163J1.3 (novel protein similar to mouse B99) [Homo sapiens] | | glucoamylase | 52646365, 18108397, 22278995, 22278997, 22278998, 22278999, 29331824, 29331825, 52644045, 265006, 265018, 264448, 21906765, 21906766, 21906767, 21906768, 21906769, 55811957, 265021, 18108370, 18108372, 18108374, 22279000 |
| 2812 | 87731803 (5823, 5824) | Novel Protein sim. GBank gi14929637[gb] (AAD34079.1) (AF15184) CGI-84 protein [Homo sapiens] | Contains protein domain (PF00904) - Involucrin repeat | | 52645156, 264092, 60432049, 264259, 52645080, 29331824, 29331825, 66712502, 33109954, 264760, 264683, 264288, 264686, 265021, 264693, 18108368, 263976, 264404 |
| 2813 | 87713823 (5825, 5826) | Novel Protein sim. GBank gi1854065[emb] (CAA58337) - (X83413) U88 [Human herpesvirus 6] | Contains protein domain (PF00096) - Zinc finger, C2H2 type | UNCLASSIFIED | 52644507, 52645156, 52646842, 56182575, 35696286, 22278997, 264259, 52645080, 29331827, 35696052, 29331828, 264828, 52644045, 56182435, 55812038, 52646317, 21906754, 52644296, 87168474, 265017, 265018, 265019, 18108351, 264682, 264686, 264689, 21906765, 21906766, 21906767, 21906768, 35695917, 265020, 52644150, 27486261, 27486262, 27486265, 35695763, 55811578, 35695855, 52644332, 22279000, 22279002, 264563 |
| 2814 | 87797300 (5827, 5828) | | | | 264557 |

| | | | | |
|------|-----------------------|--|--|--|
| 2915 | 88081872 (5828, 5830) | Novel Protein sim. GBank gij5174485[ref][NP_006030.1]pKIAA - endocytic receptor (macrophage mannose receptor family) | Contains protein domain (PF000059) - eph Lectin C-type domain | 264569, 264488, 264687, 264768, 21906766, 52646842, 21906767, 21906768, 56182575, 29148629, 35695917, 22278996, 22278997, 22278998, 265021, 22278999, 52644150, 264691, 264259, 60432049, 264692, 52645129, 33657109, 33657182, 29331827, 27486261, 35696052, 29331828, 27486262, 27486264, 27486265, 33657349, 29146498, 29146499, 264906, 264907, 18108370, 264908, 18108372, 52644045, 18108374, 56182435, 35695855, 264112, 264510, 265008, 60432229, 264593, 60433356, 56182323, 18108382, 55812038, 18108385, 33109954, 21906754, 33657084, 87168518, 265010, 265011, 60432113, 265017, 265018, 22279000, 265019, 55811150, 264681, 18108351, 264763, 264448, 264683, 264566, 18108354, 264369, 264288, 264766 |
| 2916 | 95337790 (5831, 5832) | Novel Protein sim. GBank gij5104851[dbj]BAA80165.11 - (AP000061) 30Saa long hypothetical dTDP-4- dehydrothiamose reductase [Aeropyrum pernix] | dehydrogenase | 52645156, 65274572, 22278994, 22278995, 35696286, 22278996, 22278997, 22278998, 22278999, 264259, 29331822, 29331824, 29331825, 66714117, 60432289, 29331826, 29331827, 29331828, 33656970, 264509, 264906, 29331830, 52644045, 264509, 56182435, 60170831, 264592, 264593, 33657402, 60433356, 52645317, 21906754, 33109954, 33657084, 52644296, 85658542, 265011, 265017, 265018, 265019, 18108351, 264448, 264288, 52644229, 21906765, 21906766, 21906767, 21906768, 21906769, 55811957, 35695917, 265021, 265022, 52644150, 33657023, 33657109, 33657182, 27486261, 27486262, 27486264, 33695763, 18108376, 55811576, 35696423, 65274791, 35695855, 52644332, 264557, 264638, 56182323, 18108387, 87168518, 22279002, 264482 |
| 2917 | 87454546 (5833, 5834) | Novel Protein sim. GBank gij3169065[emb]CAA19260.11 - (AL023704) putative translocation elongation factor-Tu fa mily [Schizosaccharomyces pombe] | UNCLASSIFIED | 60433438, 264602, 264682, 87168518, 60432113 |
| 2918 | 85690529 (5835, 5836) | Novel Protein sim. GBank gij539218[pir]S38038 - hypothetical protein YKL201c - yeast (Saccharomyces cerevisiae) | | 264638 |
| 2919 | 87641497 (5837, 5838) | Novel Protein sim. GBank gij2564955 (AF030001) - unknown [Mus musculus] | | 66714117, 66712502, 263981 |

| | | | | | |
|------|-----------------------|--|---|--|--|
| 2920 | 87769523 (5838, 5840) | | | | 35696286, 22278997, 264259, 52645080, 29331824, 29331826, 29331827, 264828, 264909, 56182435, 264511, 264758, 33109954, 21906754, 52644296, 265010, 265011, 264601, 265017, 265019, 264881, 264887, 21906767, 265021, 52644150, 264690, 264691, 264692, 264693, 33657109, 33657182, 27486262, 27486264, 27486265, 35696423, 35695855, 264632, 264636, 264637, 264638, 56182323, 60170394, 18108385, 87168518, 60432113 |
| 2921 | 91639982 (5841, 5842) | Novel Protein sim. GBank gi 4580013 gb AAD24202.1 U83194 - (U83194) TRAF4-associated factor 2 [Homo sapiens] | Contains protein domain (PF00787) - PX domain | | 35696286, 22278997, 264091, 264092, 264094, 264259, 29331822, 29331824, 29331826, 29331827, 35696052, 29146498, 264104, 264105, 264107, 264509, 264110, 264112, 264512, 60433356, 21906754, 87168474, 265017, 18108351, 264288, 21906765, 21906766, 21906767, 21906769, 35695917, 265021, 263974, 18108374, 263976, 263977, 18108376, 264555, 263981, 56526486, 87168518, 22279000, 22279002, 264906, 264909, 264511, 265006, 265008, 264593, 33657402, 60174639, 18108351, 264763, 21906765, 29148627, 35695917, 264692, 264629, 263978, 55811576, 35695855, 264555, 264558, 56182323, 60170394, 22279000, 264486 |
| 2922 | 87749762 (5843, 5844) | Novel Protein sim. GBank gi 4589514 dbj BAA76779.1 - (AB023152) KIAA0935 protein [Homo sapiens] | Contains protein domain (PF01074) - kinase Glycosyl hydrolases family 38 | | 264488, 18108397, 22278995, 22278996, 22278997, 22278998, 22278999, 29331825, 29331826, 29331827, 29331830, 264511, 265009, 33657402, 265011, 265017, 265018, 264683, 18108354, 21906765, 21906767, 21906768, 21906769, 52644150, 264691, 264692, 33657109, 263974, 18108376, 264631, 264636, 18108385, 18108387, 22279000, 264563, 264568 |
| 2923 | 95337799 (5845, 5846) | Novel Protein sim. GBank gi 4835268 emb CAB42898.2 - (Z83844) dJ37E16.4 (similar to mouse p116Rip protein) [Homo sapiens] | Contains protein domain (PF00169) - PH domain | | 264488, 18108397, 22278995, 22278996, 22278997, 22278998, 22278999, 29331825, 29331826, 29331827, 29331830, 264511, 265009, 33657402, 265011, 265017, 265018, 264683, 18108354, 21906765, 21906767, 21906768, 21906769, 52644150, 264691, 264692, 33657109, 263974, 18108376, 264631, 264636, 18108385, 18108387, 22279000, 264563, 264568 |
| 2924 | 87791967 (5847, 5848) | Novel Protein sim. GBank gi 2133095 pir S72254 - ribosomal protein L36, mitochondrial - yeast (Saccharomyces cerevisiae) | Contains protein domain (PF00444) - ribosomal prot Ribosomal protein L36 | | 265017, 264628, 20281152, 264556 |
| 2925 | 95090120 (5849, 5850) | Novel Protein sim. GBank gi 2388986 emb CAB11718 - (Z98980) actin associated protein [Schizosaccharomyces pombe] | UNCLASSIFIED | | 56182575, 35696286, 264259, 60432289, 29331827, 264508, 52644045, 264910, 264591, 60432229, 55812038, 21906754, 264681, 264448, 264683, 264288, 264685, 52644229, 264689, 21906765, 21906766, 21906768, 21906769, 265021, 265022, 60170615, 264692, 33657023, 264693, 33657109, 35696423, 65274791, 56182323 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 2926 | 95343003 (5851, 5852) | Novel Protein sim. GBank gij283032[pri]S22456 - hydroxyproline-rich glycoprotein - perennial teosinte | | | 29331828, 265011, 264768, 264689 264764, 264288, 264630, 264637 |
| 2927 | 80408018 (5853, 5854) | | | | |
| 2928 | 20452179 (5855, 5856) | | | UNCLASSIFIED | 264559 |
| 2929 | 91622820 (5857, 5858) | Novel Protein sim. GBank gij3413320[emb]CAA06915] - (AJ008215) CMP-N-acetylnauraminic acid synthetase [Mus musculus] | | UNCLASSIFIED | 264569, 264489, 22278994, 35696286, 22278996, 22278998, 22278999, 264094, 264259, 52645080, 29331822, 29331824, 66714117, 29331825, 29331826, 29331827, 35696052, 33656970, 264109, 29331830, 52644045, 265009, 33109954, 52644296, 87168559, 264760, 264762, 264448, 264764, 264288, 264766, 264768, 21906765, 21906766, 21906768, 21906769, 35695917, 264691, 33657023, 264693, 33657109, 18108374, 263976, 35696423, 35695855, 263981, 22279000, 22279002, 264567, 264486 |
| 2930 | 95302755 (5859, 5860) | | | UNCLASSIFIED | 56182575, 56181686, 35696286, 22278996, 22278998, 22278999, 264259, 29331825, 60432289, 29331828, 264905, 52644045, 56182435, 265009, 60170831, 264592, 60432229, 60433356, 87168474, 265010, 265011, 265017, 265018, 265019, 264762, 264448, 264683, 264288, 264766, 21906765, 21906769, 35695917, 60170615, 33657023, 33657109, 264628, 18108370, 18108372, 35696423, 35695855, 264556, 56182323, 60432113, 264567 |
| 2931 | 94312693 (5861, 5862) | Novel Protein sim. GBank gij3786433 (AF098505) - similar to Arabidopsis thaliana male sterility protein 2 (SW/Q08891) [Caenorhabditis elegans] | Contains protein domain (PF00471) - Ribosomal protein L33 | UNCLASSIFIED | 52645156, 22278997, 22278998, 29331822, 52645080, 29331824, 60432289, 33656970, 60433356, 60433438, 33109954, 21906765, 21906766, 21906767, 21906768, 265020, 52644150, 33657023, 33657109, 33657182, 27488265, 35696423, 35695855, 264555, 87168518, 60432113, 264566 |
| 2932 | 79632623 (5863, 5864) | | | | 264906, 264907 |
| 2933 | 91720776 (5865, 5866) | Novel Protein sim. GBank gij3378056 (AF017777) - helicase [Drosophila melanogaster] | helicase | | 264488, 18108392, 56182575, 22278999, 264091, 264259, 29331825, 60432289, 29331827, 264508, 52644045, 56182435, 265007, 265009, 264592, 60433356, 60433438, 21906754, 265017, 264682, 264288, 52644229, 21906765, 21906766, 21906768, 21906769, 265022, 52644150, 33657023, 33657109, 27486265, 264635, 264636, 60170394, 56182323, 18108385, 60432113, 264565, 264566, 264567 |

| | | | | | |
|------|-----------------------|---|--|-------------------|--|
| 2934 | 86576025 (5867, 5868) | | | | 22278997, 22278999, 29331824, 33657402, 264691, 27486262, 264628, 87168518, 22279000 |
| 2935 | 86410579 (5869, 5870) | | | UNCLASSIFIED | 56182575, 22278995, 60433356, 33657402, 264758, 33109954, 21906754, 265018, 265019, 264448, 264769, 21906764, 21906765, 265021, 264692, 33657023, 33657109, 33657349, 55810764, 22279000 |
| 2936 | 87605863 (5871, 5872) | Novel Protein sim. GBank gi 4153862 (AC005065) - determined by GENSCAN prediction and spliced EST; match to EST R84329 (NID:942735) [Homo sapiens] | Contains protein domain (PF00856) - SET domain | nuclease | 22278997, 29331827, 29331828, 265009, 265017, 264605, 265020, 55811576, 18108387, 60432113, 264563 |
| 2937 | 94853096 (5873, 5874) | Novel Protein sim. GBank gi 5174409 ref NP_006101.1 pCD2B - CD2 antigen (cytoplasmic tail)-binding protein 2 | | UNCLASSIFIED | 56994075, 22278999, 264259, 60432049, 29331822, 56182181, 29331827, 29331828, 264906, 264908, 264909, 56182435, 265006, 264512, 264910, 60170831, 60433356, 265011, 265018, 18108351, 264448, 264288, 264766, 52644229, 21906765, 29148784, 65274791, 264556, 56182323, 60170394, 264558, 60432113, 264565, 264486, 264567, 264488, 56182575, 22278996, 35696286, 22278997, 22278998, 22278999, 264490, 264259, 29331822, 29331824, 66714117, 29331827, 35696052, 264107, 264905, 66712502, 52644045, 56182435, 264511, 265008, 265009, 60432229, 33657402, 60433438, 55812038, 21906754, 85658542, 265010, 265011, 87168559, 265017, 265018, 265019, 264681, 264288, 264689, 21906765, 21906767, 21906768, 55811957, 35695917, 265020, 60170615, 264690, 264691, 264692, 33657023, 264693, 65274620, 33657109, 18108370, 18108374, 263976, 35696423, 35695855, 264555, 264556, 18108381, 56182323, 60170394, 83373044, 18108385, 56526488, 60432113, 22279002 |
| 2938 | 95419773 (5875, 5876) | Novel Protein sim. GBank gi 3319990 emb CAA76720 - (Y17267) ubiquitin-conjugating enzyme [Mus musculus] | Contains protein domain (PF00179) - Ubiquitin-conjugating enzyme | ubiquitin | 264907, 265018, 264681, 264685, 264686 |
| 2939 | 87786622 (5877, 5878) | Novel Protein sim. GBank gi 3979900 emb CAA99809 - (Z75547) similar to WD domain, G-beta repeat; cDNA EST yk371b7.5 comes from this gene; cDNA EST yk312h1.5 comes from this gene; cDNA EST yk465d5.5 comes from this gene; cDNA EST yk472c4.5 comes from this gene; cDNA EST yk292f8... | Contains protein domain (PF00400) - WD domain, G-beta repeat | ATPase-associated | |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 2940 | 95011103 (5879, 5880) | | | UNCLASSIFIED | 22278996, 29331822, 29331824, 66714117, 29331826, 29331828, 264905, 264908, 66712502, 29331830, 265011, 265017, 264764, 264369, 21906766, 21906767, 33657023, 33657109, 32833986, 18108374, 18108377, 264634, 83373044, 18108385, 18108387, 264566 |
| 2941 | 21423370 (5881, 5882) | Novel Protein sim. GBank gij3413872[dbj BAA32300] - (AB007924) KIAA0455 protein [Homo sapiens] | | UNCLASSIFIED | 264557 |
| 2942 | 87430203 (5883, 5884) | Novel Protein sim. GBank gij1172845[sp P46629 IRB25_RABIT - RAS-RELATED PROTEIN RAB-25] | | glycoprotein | 284910, 265010, 264768 |
| 2943 | 95314504 (5885, 5886) | Novel Protein sim. GBank gij4929653[gb AAD34087.1 AF15185 - (AF151850) CGI-92 protein [Homo sapiens] | | collagen | 60432049, 264259, 60432289, 29331827, 29146498, 265008, 264593, 60433356, 60433438, 265010, 265011, 265017, 265018, 264683, 264766, 18108381, 65274727, 60432113, 264567 |
| 2944 | 95081063 (5887, 5888) | Novel Protein sim. GBank gij4678282[emb CAB41190.1] - (AL049660) 1-acylcerol-3-phosphate acyltransferase-like protein [Arabidopsis thaliana] | Contains protein domain (PF00415) - ATPase associated Regulator of chromosome condensation (RCC1) | | 56994075, 22278998, 60432049, 264259, 29331822, 29331824, 60424269, 60432289, 29331826, 29331828, 264905, 264907, 52844045, 264909, 264511, 265006, 265009, 264594, 21906754, 87168559, 264603, 265017, 265018, 18108351, 264682, 264766, 264687, 264689, 21906765, 21906766, 21906767, 21906768, 21906769, 265021, 60170615, 52644150, 264690, 264691, 33657023, 264692, 264693, 33657109, 33657182, 33657349, 18108370, 18108374, 18108377, 55811576, 35696423, 35695855, 264635, 264555, 264556, 56182323, 60170394, 264558, 264559, 83373044, 56526486, 87168518, 60432113, 22279002, 264482, 264563, 264484, 264567 |
| 2945 | 94233560 (5889, 5890) | Novel Protein sim. GBank gij728831[sp P39188 ALU1_HUMAN - !!!!! ALU SUBFAMILY J WARNING ENTRY !!!!! | Contains protein domain (PF00096) - Zinc finger, C2H2 type | UNCLASSIFIED | 60424179, 22278995, 22278996, 22278998, 22278999, 264259, 56182181, 29331824, 60424269, 60432289, 35696052, 264908, 265006, 60433356, 55812038, 264759, 55811386, 265018, 264681, 18108351, 264448, 264683, 264369, 264288, 264687, 56181562, 21906767, 21906768, 21906769, 35695917, 265020, 265021, 264693, 60431528, 55810764, 35696423, 35695855, 264630, 60170394, 83373044, 22279000, 264566, 264567 |

| | | | | | |
|------|-----------------------|--|--|--------------|---|
| 2946 | 94317315 (5891, 5892) | Novel Protein sim. GBank gi 5441952 gb AAD43195.1 AF07286 - (AF07286) peroxisomal membrane protein PMP 24 [Homo sapiens] | | UNCLASSIFIED | 264488, 264259, 264508, 264509, 264906, 264907, 264908, 264510, 264511, 265007, 264512, 264910, 264591, 264593, 18108351, 264764, 264288, 264684, 264769, 265021, 264692, 33657109, 264628, 264629, 18108374, 264631, 264634, 264636, 264637, 18108380, 264638, 264639, 83373044, 264565, 264566, 264486, 264567 |
| 2947 | 87362952 (5893, 5894) | Novel Protein sim. GBank gi 3540281 gb AAC34383.1 - (AF056116) All-1 related protein [Fugu rubripes] | | UNCLASSIFIED | 22278995, 22278996, 22278997, 22278999, 29148498, 264508, 29331830, 265007, 265008, 265009, 60432229, 21906754, 265010, 265017, 265019, 264766, 264685, 21906765, 21906766, 21906767, 21906768, 21906769, 265020, 264628, 18108370, 264629, 264630, 18108367, 60432113 |
| 2948 | 87626527 (5895, 5896) | Novel Protein sim. GBank gi 5566614 gb AAB65654.2 - (AF001533) mitogen-induced [Mus musculus] | | | 52646842, 22278995, 264259, 29331824, 29331825, 29331827, 29331830, 264909, 265007, 265009, 265019, 264763, 264684, 264288, 264685, 264686, 21906767, 264691, 264692, 264693, 18108374, 55811576, 18108385, 22279002, 264563, 264567 |
| 2949 | 88175545 (5897, 5898) | Novel Protein sim. GBank gi 2132923 pir S67133 - probable membrane protein YOR240w - yeast (Saccharomyces cerevisiae) | | UNCLASSIFIED | 22278996, 22278997, 60432289, 29331826, 29331827, 29331828, 35696052, 29146499, 264104, 264107, 264905, 66712502, 264908, 60433356, 60433438, 87168559, 264764, 52644229, 56181562, 21906767, 21906768, 21906769, 265022, 60170615, 33657023, 35696423, 263981, 264558, 60432113, 22279002 |
| 2950 | 95086870 (5899, 5900) | Novel Protein sim. GBank gi 466102 sp P34629 Y0J6_CAEEL - PUTATIVE AMINOPEPTIDASE ZK353.6 IN CHROMOSOME III | Contains protein domain (PF00883) - Cytosol aminopeptidase family | peptidase | 264488, 35696286, 264259, 35696052, 264907, 265007, 264910, 265017, 265018, 264288, 264768, 35695917, 265020, 18108362, 18108370, 18108379, 35696423, 65274791, 35695855, 264556, 56526486, 264486 |
| 2951 | 87392357 (5901, 5902) | Novel Protein sim. GBank gi 4688902 emb CAB41450.1 - (AJ238248) centaurin beta2 [Homo sapiens] | | | 264693 |

| | | | | | |
|------|-----------------------|--|---|-------------------|--|
| 2952 | 95329952 (5903, 5904) | Novel Protein sim. GBank gl 5596993 emb CAB51405.1 - (AL098881) hypothetical protein [Homo sapiens] | Contains protein domain (PF00650) - CRAL/TRIO domain. | transcript factor | 264687, 52645156, 21906766, 21906769, 22278996, 265020, 264690, 60432049, 264259, 264693, 29331822, 18108365, 29331825, 60432289, 33657109, 18108368, 29331827, 35696052, 27486262, 264508, 264905, 20281149, 264906, 264907, 29331830, 264908, 264909, 35695855, 264511, 265008, 265009, 264910, 264635, 264636, 60432229, 264638, 60433356, 264639, 264758, 87168518, 265017, 22279000, 22279002, 264760, 264563, 264482, 18108351, 264448, 264288 |
| 2953 | 88093375 (5905, 5906) | Novel Protein sim. GBank gl 119522 sp P10658 SERC_RABIT - PROBABLE PHOSPHOSERINE AMINOTRANSFERASE (PSAT) (ENDOMETRIAL PROGESTERONE-INDUCED PROTEIN) (EPIP) | Contains protein domain (PF00266) - Aminotransferases class-V | UNCLASSIFIED | 18108396, 56994075, 22278996, 29331822, 29331824, 29331825, 29331827, 35696052, 264508, 264905, 264906, 264907, 264510, 264591, 264594, 33657402, 264595, 264596, 264758, 52646317, 21906754, 33657084, 52644296, 87168559, 264600, 264760, 264681, 18108351, 264764, 264369, 264288, 264687, 21906765, 21906766, 21908787, 21908768, 21908769, 35695917, 33657023, 18108364, 52645129, 33657109, 33657349, 18108374, 263978, 35695855, 264637, 264638, 87168518, 264482, 264563, 264565, 29331822 |
| 2954 | 88086288 (5907, 5908) | Novel Protein sim. GBank gl 4885261 ref NP_005251.1 pGDF9 - growth differentiation factor 9 | Contains protein domain (PF00019) - Transforming growth factor beta like domain | tgf | |
| 2955 | 87698426 (5909, 5910) | Novel Protein sim. GBank gl 3452473 (AF084205) - serine/threonine protein kinase TAO1 [Rattus norvegicus] | Contains protein domain (PF00069) - Eukaryotic protein kinase domain | kinase | 264259, 29331822, 29331824, 29331825, 29331826, 35696052, 264908, 52644045, 264512, 60432229, 265018, 265019, 5581150, 264769, 21906767, 21906768, 21908769, 265021, 60170615, 55810764, 264567 |
| 2956 | 85789745 (5911, 5912) | Novel Protein sim. GBank gl 4889254 gb AAD27830.1 AF121857 - sorting nexin 7 [Homo sapiens] | Contains protein domain (PF00787) - PX domain | | 22278996, 264259, 29331827, 264908, 21908768 |
| 2957 | 90933301 (5913, 5914) | Novel Protein sim. GBank gl 4503023 ref NP_000089.1 pCPT2 - carnitine palmitoyltransferase II precursor | | cadherin | 22278999, 264259, 29331824, 29331827, 265008, 264595, 264758, 265010, 265011, 264448, 264763, 264683, 264288, 264685, 18108357, 29148629, 264690, 18108362, 264693, 18108370, 60431528, 18108374, 264634, 18108381, 56182323, 18108382, 18108385, 18108388, 56526486, 87168518, 264482, 264487 |
| 2958 | 87440014 (5915, 5916) | Novel Protein sim. GBank gl 4240257 db BAA74907.1 - (AB020691) KIAA0884 protein [Homo sapiens] | | | 264595, 264596, 264681, 264369, 264629, 264631, 264567 |

| | | | | | |
|------|-----------------------|---|---|-------------------|--|
| 2859 | 95109420 (5917, 5918) | Novel Protein sim. GBank gi 988221 (U33005) - Tbc1 [Mus musculus] | Contains protein domain (PF00566) - TBC domain | oncogene | 263994, 22278997, 264259, 60432049, 29331826, 29331828, 35696052, 29331830, 66712502, 56182435, 265006, 264512, 265008, 265009, 60433356, 60433438, 264596, 265017, 265018, 264683, 264288, 264766, 264769, 21906766, 21906767, 21906769, 265020, 60170615, 264692, 27486265, 18108374, 65274791, 35695855, 83373044, 56526486, 60432113 |
| 2960 | 87420091 (5919, 5920) | | | UNCLASSIFIED | 35696286, 56182435, 87168474, 265010, 60170615, 35696423, 56182323, 18108383, 87168518, 264483 |
| 2961 | 85413416 (5921, 5922) | Novel Protein sim. GBank gi 596646[emb] (CA805177.2) - (Z82266) predicted using GeneFinder; similar to WD domain, G-beta repeats [Caenorhabditis elegans] | Contains protein domain (PF00400) - WD domain, G-beta repeat | transcript factor | 22278997, 22278999, 264259, 29331822, 29331824, 29331826, 29331828, 264907, 264908, 52644045, 265006, 33657402, 21906754, 87168474, 265011, 87168559, 265017, 21906769, 265020, 60170615, 264692, 33657023, 35695763, 18108370, 18108374, 35696423, 264632, 264636, 18108385, 87168518, 22279002, 264564, 264567 |
| 2962 | 87912700 (5923, 5924) | | | UNCLASSIFIED | 35696286, 22278997, 264092, 264094, 264259, 29331824, 66714117, 29331825, 60432289, 29331826, 29331827, 29331828, 35696052, 264508, 264905, 264509, 264907, 264908, 264909, 264510, 264512, 264593, 264594, 60433438, 264758, 52646317, 264602, 264603, 264605, 264760, 264762, 264764, 264288, 264766, 264686, 264768, 264769, 35695917, 265020, 264691, 264634, 264636, 264637, 264638, 264639, 18108385, 264563, 264565, 264566, 264567, 264486 |
| 2963 | 95313464 (5925, 5926) | Novel Protein sim. GBank gi 4240223[db] (BAA74890.1) - (AB020674) KIAA0867 protein [Homo sapiens] | Contains protein domain (PF00101) - Helix-loop-helix DNA-binding domain | transcript factor | 18108392, 56994075, 22278998, 22278999, 29331822, 29331825, 29331826, 29331827, 29331828, 265007, 265008, 264592, 264594, 21906754, 265018, 264760, 264687, 29148627, 29148784, 265020, 33657023, 264693, 65274620, 33657182, 27486261, 264629, 55810764, 35696423, 264555, 264636, 264637, 264557, 264558, 264563 |
| 2964 | 94324617 (5927, 5928) | | | UNCLASSIFIED | 264259, 29331828, 33657402, 265017, 265018, 264692, 18108368, 35696423, 83373044, 18108388 |

| | | | | | |
|------|-----------------------|--|---|------------------|--|
| 2965 | 80384762 (5929, 5930) | Novel Protein sim. GBank gij4885447[ref]NP_005452.1[pKRML - Kreisler (mouse) maf- related leucine zipper homolog | | transcriptfactor | 264259, 29331826, 264508, 264509, 264905, 264907, 264908, 264909, 264511, 265008, 264910, 264591, 264593, 264594, 33657402, 265011, 264760, 264762, 264764, 264288, 264685, 264766, 264692, 33657109, 264628, 264629, 35695855, 264630, 264631, 264632, 264634, 264635, 264636, 264637, 264638, 264639, 264563, 264567, 18108391 60432289, 264682, 264448 |
| 2966 | 91725248 (5931, 5932) | Novel Protein sim. GBank gj5262751[emb]CAB45690.1] - (AJ243177) Xenopus RPA Interacting protein alpha [Xenopus laevis] | | | |
| 2967 | 94658303 (5933, 5934) | Novel Protein sim. GBank gj624225 (U19181) - Rabin3 [Rattus norvegicus] | | UNCLASSIFIED | 264488, 264508, 264509, 264908, 264909, 264511, 264910, 264594, 264758, 85658542, 264762, 264764, 265021, 264556, 18108381, 264564, 264486 |
| 2968 | 95302776 (5935, 5936) | Novel Protein sim. GBank gij4929715[gb]AAD34118.1[AF15188 - (AF151881) CGI-123 protein (Homo sapiens)] | Contains protein domain (PF00097) - Zinc finger, C3HC4 type (RING finger) | | 264687, 52845156, 21906765, 52646365, 21906767, 18108398, 35696423, 22278996, 35696286, 22278997, 265020, 22278999, 265021, 265022, 264093, 264636, 264690, 52644150, 264259, 33657023, 52645080, 264693, 29331822, 56182181, 29331824, 66714117, 29331825, 33109954, 52645129, 29331826, 21906754, 33657182, 29331827, 29331828, 35696052, 27486262, 87168518, 87168474, 265010, 87168559, 265018, 22279000, 265019, 22279002, 264563, 18108351, 264906, 264907, 264448, 66712502, 264566, 264369, 264288 |
| 2969 | 95310957 (5937, 5938) | Novel Protein sim. GBank gij3024743[sp]Q24734[THSA_SULS7 - THERMOSOME, ALPHA SUBUNIT (CHAPERONIN ALPHA SUBUNIT)] | | eph | 52646842, 22278996, 22278998, 22278999, 60432049, 264259, 29331824, 29331825, 29331826, 29331828, 264509, 264909, 52644045, 56182435, 265009, 60433438, 55812038, 21906754, 265011, 87168559, 265018, 265019, 264448, 264288, 264369, 52644229, 21906766, 21906768, 21906769, 29148784, 265020, 265021, 52644150, 264591, 33657109, 18108374, 56182323, 60170394, 87168518, 60432113, 22279000 |
| 2970 | 88088071 (5939, 5940) | Novel Protein sim. GBank gj3165407 (AC004755) - fos37502_1 [Homo sapiens] | Contains protein domain (PF00046) - Homeobox domain | homeobox | |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 2971 | 94196930 (5941, 5942) | Novel Protein sim. GBank gij728837 sp P39194 ALU7_HUMAN - IIII ALU SUBFAMILY SQ WARNING ENTRY IIII | | tm7 | 264488, 56182575, 35696286, 56994075, 29331824, 29331826, 29146499, 264508, 264905, 264907, 264112, 264910, 21908754, 87168559, 265018, 265019, 18108351, 264689, 21906765, 21906767, 21906768, 265020, 265021, 60170615, 18108364, 264628, 264629, 18108374, 264636, 264556, 264558, 83373044, 18108384, 18108385, 87168518, 264564, 264567 265017, 35695917, 265021, 33657109, 22279002, 264563 |
| 2972 | 86625943 (5943, 5944) | Novel Protein sim. GBank gij728836 sp P39193 ALU6_HUMAN - IIII ALU SUBFAMILY SP WARNING ENTRY IIII | | kinase | |
| 2973 | 91215301 (5945, 5946) | Novel Protein sim. GBank gij2746789 (AF040842) - No definition line found [Caenorhabditis elegans] | | UNCLASSIFIED | 29331822, 264692, 33657349, 55811576, 264563 |
| 2974 | 91673002 (5947, 5948) | Novel Protein sim. GBank gij786117 (L41834) - nuclear protein [Ensis minor] | | UNCLASSIFIED | 18108392, 52644507, 56182575, 56181686, 22278995, 22278996, 35696286, 22278997, 22278998, 22278999, 264259, 52645080, 29331824, 29331825, 66714117, 60424269, 29331826, 29331827, 29331828, 35696052, 66712502, 264908, 52644045, 265007, 264910, 265009, 60433438, 33109954, 21906754, 55811386, 52644296, 87168474, 87168559, 265017, 265018, 265019, 18108351, 264448, 264369, 264288, 52644229, 18108359, 21906765, 21906767, 21906768, 35695917, 265020, 265021, 52644150, 264691, 264692, 33657023, 27486262, 27486264, 35695763, 18108370, 18108376, 55810764, 55811576, 35696423, 35695855, 264630, 264635, 264557, 52644332, 264558, 83373044, 18108387, 87168518, 60432113, 22279000, 264482, 264487 |
| 2975 | 95325213 (5949, 5950) | Novel Protein sim. GBank gij3880812 emb CAA19508 - (AL023639) similar to HECT-domain (ubiquitin-transferase).; cDNA EST yk480d10.5 comes from this gene [Caenorhabditis elegans] | Contains protein domain (PF00632) - HECT-domain (ubiquitin-transferase). | ubiquitin | 29331824, 29331827, 29331828, 264910, 85658542, 265011, 265018, 264448, 264288, 264769, 21906767, 265020, 264691, 264559, 83373044 |
| 2976 | 87771202 (5951, 5952) | Novel Protein sim. GBank gij5679136 gb AAD46874.1 AF16093 - (AF160934) BcDNA.LD14189 [Drosophila melanogaster] | | transport | 22278996, 264906, 265007, 265010, 265011, 265017, 265019, 18108351, 264686, 264689, 18108370, 264639, 18108385 264509, 264288 |
| 2977 | 91725254 (5953, 5954) | Novel Protein sim. GBank gij5262751 emb CAB45690.1 - (AJ243177) Xenopus RPA interacting protein alpha [Xenopus laevis] | | UNCLASSIFIED | |

| | | | | | |
|------|-----------------------|---|--|--------------|--|
| 2978 | 87332059 (5955, 5956) | Novel Protein sim. GBank gjl746549 (U23522) - No definition line found [Caenorhabditis elegans] | Contains protein domain (PF00480) - ROK family | UNCLASSIFIED | 22278995, 22278996, 22278997, 22278999, 264259, 60432289, 29331827, 29146499, 56182435, 265006, 265007, 265009, 60433356, 60433438, 21906754, 265010, 265011, 265017, 265018, 265019, 264288, 264685, 264688, 21906765, 21906766, 21906767, 21906768, 21906769, 265020, 265021, 265022, 35696423, 264639, 60432113, 22279000, 22279002 |
| 2979 | 91725256 (5957, 5958) | Novel Protein sim. GBank gjl5262751 emb CAB45690.1 - (AJ243177) Xenopus RPA interacting protein alpha [Xenopus laevis] | complement | | 264488, 65274572, 56994075, 22278999, 264093, 29331822, 29331824, 264288, 55811957, 33657023, 33657109, 18108370, 55811576, 56182323, 60432113, 264482 |
| 2980 | 86296600 (5959, 5960) | | | UNCLASSIFIED | 265009, 21906767, 263981, 22279000 |
| 2981 | 87376330 (5961, 5962) | | | | 264629, 264564 |
| 2982 | 95303675 (5963, 5964) | Novel Protein sim. GBank gjl4929767 gb AAD34144.1 AF15190 - (AF151907) CGI-149 protein [Homo sapiens] | | | 22278995, 56994075, 22278996, 22278997, 22278998, 22278999, 264092, 29331824, 29331827, 29331828, 264905, 264591, 264592, 264594, 264595, 264596, 33657084, 264448, 21906765, 21906766, 21906767, 21906768, 21906769, 265020, 265022, 18108365, 33657182, 33657349, 35696423, 83373044, 22279000, 22279002 |
| 2983 | 91725258 (5965, 5966) | Novel Protein sim. GBank gjl5262751 emb CAB45690.1 - (AJ243177) Xenopus RPA interacting protein alpha [Xenopus laevis] | | | 60424179, 52646842, 18108398, 22278997, 264093, 60432049, 264259, 29331822, 60432289, 33656970, 264905, 52644045, 265006, 60431735, 87168474, 265018, 265019, 18108351, 264448, 21906765, 21906768, 35695917, 33657023, 52645129, 18108370, 35696423, 83373044, 56526486, 60432113, 264404, 22279002 |
| 2984 | 94136467 (5967, 5968) | Novel Protein sim. GBank gjl2393734 (AC002542) - similar to C. elegans F11A10.5; 80% similarity to Z68297 (PID:g1130619) [Homo sapiens] | ATPase-associated | | |
| 2985 | 87099072 (5969, 5970) | Novel Protein sim. GBank gjl103160 pir S2126 - finger protein unkempt - fruit fly (Drosophila melanogaster) | UNCLASSIFIED | | 264910, 55812038, 56181562, 55811957, 264628, 55810764, 264632, 264635, 60432113 |
| 2986 | 86284861 (5971, 5972) | | | | 55811957, 264566 |
| 2987 | 86455934 (5973, 5974) | | UNCLASSIFIED | | 264369 |

| | | | | | |
|------|-----------------------|---|---|--------------|--|
| 2988 | 95357753 (5975, 5976) | Novel Protein sim. GBank gij4679028[gbjAAD27002.1] - (AF077207) HSPC021 [Homo sapiens] | | UNCLASSIFIED | 264486, 65274572, 22278995, 22278996, 22278997, 22278999, 264092, 264094, 264259, 60432049, 29331824, 29331826, 60432289, 35696052, 29331828, 264107, 264905, 264907, 264908, 66712502, 264828, 264909, 56182435, 265006, 265007, 265008, 60170831, 60432228, 264593, 60433356, 264757, 60433438, 21906754, 265010, 265011, 87168559, 265017, 265018, 264682, 264448, 264369, 264288, 264685, 52644229, 21906765, 21906767, 21906769, 35695917, 265021, 265022, 52644150, 264690, 33657023, 65274620, 263967, 33657109, 27486262, 18108370, 18108372, 18108374, 55810764, 65274791, 35695855, 264635, 264636, 264637, 263981, 264638, 56182323, 83373044, 60432113, 22279000, 264563, 264564, 264565, 264566, 264567, 22278996, 22278997, 264905, 264511, 60170831, 264593, 265019, 21906765, 21906767, 21906768, 18108374, 265007, 264512, 18108351, 264288, 264689, 265020, 264691, 33657023, 33657109 |
| 2989 | 91225118 (5977, 5978) | Novel Protein sim. GBank gij113671[spIP23964]ALUF_HUMAN - IIII ALU CLASS F WARNING ENTRY IIII | | | |
| 2990 | 87330444 (5979, 5980) | Novel Protein sim. GBank gij2829836[spIP97346]RHOD_MOUSE - RHO-RELATED GTP-BINDING PROTEIN RHOD | Contains protein domain (PF00071) - Ras family | kinase | |
| 2991 | 94325361 (5981, 5982) | | | | |
| 2992 | 85425164 (5983, 5984) | | | | |
| 2993 | 94325363 (5985, 5986) | | | | |
| 2994 | 94136634 (5987, 5988) | Novel Protein sim. GBank gij2496548[spIQ50658]YU02_MYCTU - HYPOTHETICAL 28.7 KD PROTEIN CY339.02 | | UNCLASSIFIED | 264563 |
| | | | | UNCLASSIFIED | 264259, 265019, 264689, 18108385 |
| | | | | UNCLASSIFIED | 264486, 29331822, 265017, 264761, 21906769, 65274791, 263981, 264565 |
| | | | | transport | 22278994, 22278995, 56994075, 22278997, 22278999, 264259, 29331822, 29331824, 29331825, 29331826, 29331827, 29331828, 265006, 265009, 264910, 33109954, 87168474, 87168559, 265018, 265019, 264448, 264288, 21906766, 21906767, 21906768, 21906769, 265021, 265022, 33657023, 264693, 35695855, 83373044, 18108385, 22279000, 264565, 264566, 264905, 264907, 265019, 18108351, 264683 |
| 2995 | 87591070 (5989, 5990) | Novel Protein sim. GBank gij2734081 (AF000195) - similar to oxysterol-binding proteins [Caenorhabditis elegans] | | | |
| 2996 | 91013798 (5991, 5992) | Novel Protein sim. GBank gij2829912 (AC002291) - Similar ATP-dependent RNA Helicase [Arabidopsis thaliana] | Contains protein domain (PF00270) - helicase DEAD/DEAH box helicase | | 65274572, 35696286, 264259, 29331824, 35696052, 29146499, 264508, 264907, 265007, 265008, 60433438, 18108348, 265017, 264681, 264683, 264288, 264766, 264769, 264689, 35695917, 60170615, 33657023, 264692, 264634, 264555, 18108381, 18108382, 18108388, 264484 |

| | | | | | |
|------|-----------------------|---|--|--------------|--|
| 2897 | 87627440 (5993, 5994) | Novel Protein sim. GBank gi 4589652 dbj BAA76848.1 - (AB023221) KIAA1004 protein [Homo sapiens] | | homeobox | 264488, 56182575, 264259, 66714117, 29331826, 35696052, 264508, 264509, 264907, 264908, 265006, 87168474, 265019, 264448, 264682, 264685, 264766, 21906764, 21906768, 21906769, 27486261, 18108374, 35696423, 264634, 264635, 264636, 264557, 18108385, 87168518, 52646365, 22278997, 264508, 264906, 18108351, 21906765, 21906767, 18108370, 18108374, 35696423, 264636, 264639 |
| 2998 | 88095381 (5995, 5996) | Novel Protein sim. GBank gi 3947589 emb CAA22252 - (AL034384) cDNA EST yk255b9.3 comes from this gene; cDNA EST yk255b9.5 comes from this gene; cDNA EST EMBL:M75923 comes from this gene [Caenorhabditis elegans] | | UNCLASSIFIED | 264488, 56182575, 264259, 66714117, 29331826, 35696052, 264508, 264509, 264907, 264908, 265006, 87168474, 265019, 264448, 264682, 264685, 264766, 21906764, 21906768, 21906769, 27486261, 18108374, 35696423, 264634, 264635, 264636, 264557, 18108385, 87168518, 52646365, 22278997, 264508, 264906, 18108351, 21906765, 21906767, 18108370, 18108374, 35696423, 264636, 264639 |
| 2999 | 94847055 (5997, 5998) | Novel Protein sim. GBank gi 115408 sp P18835 CC19_CAEEL - CUTICLE COLLAGEN 19 | | UNCLASSIFIED | 56182575, 22278996, 29147620, 29331825, 29146498, 29146499, 264905, 66712502, 265006, 265009, 21906754, 85658542, 18108351, 29148627, 29148629, 60170615, 33657109, 27486262, 18108370, 18108374, 264556, 264557, 264558, 60170394, 18108385, 264563 |
| 3000 | 95099370 (5999, 6000) | Novel Protein sim. GBank gi 1163174 (U32575) - similar to yeast Sec6p. Swiss-Prot Accession Number P32844; similar to mammalian B94, Swiss-Prot Accession Number Q03169; Method: conceptual translation supplied by author [Rattus norvegicus] | | UNCLASSIFIED | 294887, 22278997, 22278999, 264259, 29331822, 29331824, 35696052, 29146498, 264508, 264905, 264906, 264907, 264908, 264909, 264510, 264511, 265006, 265007, 265008, 265009, 264910, 33657402, 264757, 264595, 264596, 264758, 21906754, 265011, 264600, 265017, 265018, 264605, 265019, 264760, 264761, 264762, 264681, 264682, 264764, 264288, 264685, 264686, 264768, 264769, 21906765, 21906768, 35695917, 265020, 264691, 264692, 33657023, 264693, 33657109, 33657182, 27486261, 264628, 264629, 18108374, 18108376, 35696423, 35695855, 264630, 264631, 264632, 264634, 264635, 264636, 264637, 264556, 264638, 264639, 60170394, 83373044, 20798451, 22279002, 264563, 264486, 264567 |
| 3001 | 88078454 (6001, 6002) | Novel Protein sim. GBank gi 2078470 (AC002073) - Putative gene. Genscan predictions confirmed by EST splicing.; coded for by human cDNAs AA122029 (NID:g1678048), D31562 (NID:g644442), AA158721 (NID:g173315), R59640 (NID:g830335) and F13082 (NID:g70911) [Homo sapiens] | | cathepsin | 18108394, 52645842, 56182575, 29331824, 29331825, 29331827, 264910, 33109954, 52644296, 265017, 265019, 264288, 265020, 265021, 52644150, 264692, 35695763, 55810764, 35696423, 56182323, 18108387, 264563, 264564 |
| 3002 | 87718167 (6003, 6004) | Novel Protein sim. GBank gi 3599478 (AF085185) - Myosin-1A [Acanthamoeba castellanii] | | UNCLASSIFIED | 264488, 29331824, 29331825, 29331826, 29331827, 29331828, 264906, 264510, 265009, 21906754, 264682, 264688, 33657023, 264565 |

| | | | | |
|------|-----------------------|---|--|--|
| 3003 | 86648079 (6005, 6006) | Novel Protein sim. GBank gij1754969 (U30292) - collagen type XIII alpha-1 chain [Mus musculus] | Contains protein domain (PF01391) - collagen Collagen triple helix repeat (20 copies) | 264512, 264593, 264564, 264567, 264486 |
| 3004 | 88066876 (6007, 6008) | Novel Protein sim. GBank gij2224629[idj]BAA20802] - (AB002342) KIAA0344 [Homo sapiens] | | 29331830, 21906769, 264691, 33657109, 263972, 18108385 |
| 3005 | 87794843 (6009, 6010) | Novel Protein sim. GBank gij4680659[gbi]AAD27719.1[AF13294 - (AF132944) CGI-10 protein [Homo sapiens] | Contains protein domain (PF01360) - oxygenase Monooxygenase | 29331822, 29331824, 29331827, 60433438, 265011, 265019, 21906766, 21906767, 21906768, 265020, 33657023, 33657349, 60170394, 22279002, 264567 |
| 3006 | 87422224 (6011, 6012) | Novel Protein sim. GBank gij3930525 (AF064447) - sex-determination protein homolog Fem1a [Mus musculus] | Contains protein domain (PF00023) - MHC Ank repeat | 264259, 29331822, 264512, 21906754, 265018, 264687, 21906765, 264691, 264555, 264556, 264558, 18108385 |
| 3007 | 90936005 (6013, 6014) | Novel Protein sim. GBank gij2565052 (U80738) - CAGH1a [Homo sapiens] | Contains protein domain (PF00096) - transcript factor Zinc finger, C2H2 type | 52644507, 52645156, 65274572, 264909, 264512, 265018, 264760, 264448, 264765, 264699, 60170615, 18108374, 20281152, 264636, 52644332 |
| 3008 | 80416249 (6015, 6016) | | | 264905, 264593, 264766, 264636 |
| 3009 | 91213387 (6017, 6018) | Novel Protein sim. GBank gij3127193 (AF062389) - kidney-specific protein [Rattus norvegicus] | Contains protein domain (PF00501) - synthase AMP-binding enzyme | 52646842, 56182575, 22278995, 22278996, 264259, 29331825, 29331826, 29331827, 29331828, 35696052, 264508, 264509, 264907, 56182435, 264511, 265007, 264512, 265008, 264757, 264758, 55812038, 264759, 33109954, 21906754, 265010, 265011, 264600, 265017, 265018, 265019, 264760, 18108351, 264288, 264369, 21906764, 21906765, 21906767, 55811957, 265020, 265021, 264691, 18108368, 27486262, 20281149, 18108370, 55811576, 264637, 264556, 264557, 18108381, 264558, 56182323, 264558, 18108385, 18108388, 22279002, 264486 |
| 3010 | 95317217 (6019, 6020) | Novel Protein sim. GBank gij4927370[gbi]AAD33084.1[AF06797 - (AF067972) DNA cytosine methyltransferase 3 alpha [Homo sapiens] | Contains protein domain (PF01923) - UNCLASSIFIED Protein of unknown function | 264686, 264687, 21906767, 21906769, 55811957, 22278995, 35695917, 22278996, 22278997, 265020, 265021, 60170615, 264692, 33657023, 29331822, 264693, 18108364, 29331824, 33657109, 60432289, 29331827, 27486261, 29331828, 264508, 264909, 55811576, 35695855, 265008, 264556, 60433438, 83373044, 18108387, 65274727, 60432113, 265017, 22279000, 265019, 264564, 264682, 264764 |
| 3011 | 94323597 (6021, 6022) | Novel Protein sim. GBank gij5052319[gbi]AAD38501.1[AF11883 - (AF118838) c1rin; adult-onset type II citrullinemia protein [Homo sapiens] | Contains protein domain (PF00153) - transport Mitochondrial carrier proteins | 35696052, 56182435, 264758, 21906754, 265018, 264760, 264762, 18108351, 264682, 264448, 21906766, 65274620, 18108374, 264482, 264564 |
| 3012 | 87753087 (6023, 6024) | | UNCLASSIFIED | 263972 |

| | | | | | |
|------|-----------------------|--|--|--------------------|--|
| 3013 | 91238799 (6025, 6026) | Novel Protein sim. GBank gij3702286 (AC005787) - R33374_1 (Homo sapiens) | Contains protein domain (PF00400) - WD domain, G-beta repeat | transcript factor | 264488, 263994, 35696286, 22278997, 264259, 29331824, 60424269, 66714117, 35696052, 264905, 264906, 264907, 264908, 264909, 56182435, 284511, 284512, 264910, 264591, 264592, 264593, 264594, 33657402, 60433438, 264595, 264596, 55812038, 264758, 33109954, 21906754, 265010, 265018, 264604, 264760, 264682, 264683, 264764, 264369, 264288, 264765, 264766, 264686, 264768, 264687, 21906767, 35895917, 265020, 33657023, 264692, 264693, 33657109, 264628, 264629, 55811576, 35696423, 35695855, 264630, 264631, 264632, 264634, 264635, 264636, 264637, 264638, 264639, 83373044, 264563, 264565, 264566, 264567 |
| 3014 | 79877263 (6027, 6028) | Novel Protein sim. GBank gij3878374[emb]CAA93081] - (Z68879) Similarity to Yeast Chl12p protein (PIR Acc. No. S54453); cDNA EST EMBL:D27950 comes from this gene; cDNA EST EMBL:D27949 comes from this gene; cDNA EST EMBL:D33447 comes from this gene; cDNA EST EMBL:D33316 comes from... | | ATPase, associated | 264760 |
| 3015 | 86995466 (6029, 6030) | | | | 22278995, 22278996, 22278997, 264259, 29331824, 29331828, 264906, 265007, 265008, 264910, 265011, 265017, 265019, 264691, 33657109, 18108370, 35695855, 264556, 264564 |
| 3016 | 87759945 (6031, 6032) | Novel Protein sim. GBank gij1168819[sp]P41733[CC91_YEAST - CELL DIVISION CONTROL PROTEIN 91 | | UNCLASSIFIED | 52644507, 52646842, 56994075, 52645080, 29331822, 29331824, 35696052, 33656970, 52644045, 264596, 33657084, 265017, 265019, 52644229, 21906767, 35695917, 52644150, 33657023, 33657109, 27486261, 27486262, 27486264, 33657349, 27486265, 35695763, 35695855, 87168518 |
| 3017 | 95011154 (6033, 6034) | Novel Protein sim. GBank gij4589658[dbj]BAA76851.1] - (AB023224) KIAA1007 protein (Homo sapiens) | | | 264488, 18108397, 22278996, 35696286, 22278999, 264259, 29331822, 60432289, 264908, 29331830, 264909, 56182435, 265006, 265007, 265008, 265009, 264591, 6043356, 60433438, 52646317, 21906754, 55811386, 265010, 265011, 87168559, 265017, 265018, 265019, 264288, 264687, 21906765, 21906766, 21906767, 21906769, 265020, 265022, 65274620, 52645129, 33657109, 33657182, 18108370, 263972, 18108374, 264631, 52644332, 83373044, 18108385, 18108388, 56526486, 87168518, 264404, 60432113, 22279000, 264567 |

| | | | | | |
|------|-----------------------|---|---|-------------------|--|
| 3018 | 11073891 (6035, 6036) | Novel Protein sim. GBank gi 3219332 (AC004020) - Unknown gene product [Homo sapiens] | | onco gene | 264558 264569, 52644507, 18108394, 65274572, 56182575, 22278994, 22278995, 56994075, 22278998, 22278999, 264259, 29331822, 29331824, 60432289, 29331827, 264908, 56182435, 265007, 265009, 60432229, 264593, 60433356, 55812038, 21906754, 87188474, 265011, 87188559, 265017, 265018, 265019, 264681, 18108351, 264448, 264682, 264683, 18108354, 264685, 264687, 264689, 21906766, 21906768, 21906769, 52644150, 264690, 264691, 33657023, 264692, 264693, 33657109, 52645129, 33657349, 264629, 65274791, 264634, 52644332, 56182323, 18108385, 87168518, 22279000, 22279002, 264563 |
| 3019 | 94148231 (6037, 6038) | | | | 264488, 263994, 35696286, 264259, 264508, 264905, 264509, 264906, 264907, 264908, 264909, 264510, 264910, 60174639, 264600, 264603, 264760, 264762, 264682, 264763, 264764, 264288, 264369, 264766, 264687, 264688, 264769, 55811957, 35695917, 33657023, 264628, 35698423, 35695855, 264630, 264632, 264634, 264635, 264636, 264637, 264556, 264557, 264638, 264639, 83373044, 18108385, 264564, 264567, 264486 |
| 3020 | 94318251 (6039, 6040) | Novel Protein sim. GBank gi 3414809 (AF061529) - rjs [Mus musculus] | Contains protein domain (PF00415) - Regulator of chromosome condensation (RCC1) | ATPase-associated | 264769, 264629, 264482 |
| 3021 | 80478512 (6041, 6042) | Novel Protein sim. GBank gi 3880889(emb CAB09005) - (Z95559) cDNA EST yk2364.5 comes from this gene; cDNA EST EMBL:C13455 comes from this gene; cDNA EST yk3296.5 comes from this gene; cDNA EST CEMSH45R comes from this gene [Caenorhabditis elegans] | | | |
| 3022 | 87718500 (6043, 6044) | | | | |
| 3023 | 95305484 (6045, 6046) | Novel Protein sim. GBank gi 416592 sp P32323 AGA1_YEAST - A-AGGLUTININ ATTACHMENT SUBUNIT PRECURSOR | Contains protein domain (PF00614) - Phospholipase D. Active site motif | UNCLASSIFIED | 264259, 29331826, 29331828, 264288, 264566 |
| 3024 | 86675305 (6047, 6048) | | | | 264488, 22278995, 35696286, 22278997, 29331826, 35696052, 264907, 29331830, 52644045, 56182435, 60432229, 264592, 60433356, 60433438, 264689, 21906767, 55811957, 35695917, 265021, 18108376, 263978, 264635, 264558, 22279000 |
| 3025 | 65706629 (6049, 6050) | Novel Protein sim. GBank gi 295671 (L11275) - selected as a weak suppressor of a mutant of the subunit AC40 of DNA dependant RNA polymerase I and III [Saccharomyces cerevisiae] | | UNCLASSIFIED | 60432049, 264760, 21906769, 55811957, 35695917, 264690, 264555, 264559 |
| | | | | | 264593, 55811576 |

| | | | | | |
|------|-----------------------|--|---|--------------|--|
| 3026 | 87643662 (6051, 6052) | Novel Protein sim. GBank gi 3024052 sp P97924 KARI_RAT - KALIRIN (PAM COOH-TERMINAL INTERACTOR PROTEIN 10) (P-CIP10) | | UNCLASSIFIED | 22278996, 22278997, 264490, 29331825, 264111, 265007, 60170831, 265010, 87168559, 265019, 21906765, 29148627, 263967, 20281149, 20281069, 263975, 263977, 20281071, 56526486, 22279000 |
| 3027 | 94844563 (6053, 6054) | Novel Protein sim. GBank gi 4929647 gb AAD34084.1 AF15184 - (AF151847) CGI-89 protein [Homo sapiens] | Contains protein domain (PF01529) - DHHC zinc finger domain | UNCLASSIFIED | 18108394, 22278995, 22278996, 35696286, 22278997, 22278998, 60432049, 264259, 29331822, 29331824, 56714117, 29331825, 60432289, 29331826, 29331827, 29331828, 35696052, 264905, 264907, 29331830, 264808, 264809, 264510, 265007, 265008, 265009, 264910, 33657402, 264596, 21906754, 265010, 265011, 87168559, 264600, 265018, 18108351, 264682, 264683, 264764, 264288, 264685, 264687, 264769, 264689, 21906765, 21906766, 21906767, 21906768, 21906769, 29148629, 35695917, 265020, 265021, 265022, 52644150, 264692, 33657023, 264693, 52645129, 33657109, 27486261, 18108374, 55811576, 35696423, 55274791, 264636, 264556, 264557, 264638, 60170394, 264639, 264558, 83373044, 18108385, 56526486, 22279000, 22279002 |
| 3028 | 94231997 (6055, 6056) | Novel Protein sim. GBank gi 3080521 emb CAA18650 - (AL022599) hypothetical protein [Schizosaccharomyces pombe] | Contains protein domain (PF00400) - WD domain, G-beta repeat | UNCLASSIFIED | 22278995, 22278996, 22278997, 22278999, 264259, 29331824, 29331827, 35696052, 264908, 265007, 265008, 265009, 60170831, 21906754, 265011, 87168559, 265018, 264762, 264683, 264765, 264689, 21906765, 21906768, 21906769, 29148629, 35695917, 265021, 265022, 33657109, 27486265, 264628, 264629, 18108374, 35696423, 35695855, 264638, 60170394, 22279000, 22279002, 264482, 264584 |
| 3029 | 87619284 (6057, 6058) | | | UNCLASSIFIED | 22278997, 22278999, 29331827, 264905, 264509, 264908, 264510, 264511, 264512, 87168474, 265019, 18108351, 21906768, 264534, 264690, 264693, 263969, 18108370, 264558, 22279000, 22279002, 264482 |
| 3030 | 87544928 (6059, 6060) | Novel Protein sim. GBank gi 3757726 emb CAA18782 - (AL022727) dJ8019.1 (olfactory receptor-like protein [hsGM1-1]) [Homo sapiens] | Contains protein domain (PF00001) - 7 transmembrane receptor (rhodopsin family) | tm7 | |
| 3031 | 91677953 (6061, 6062) | Novel Protein sim. GBank gi 4530587 gb AAD22105.1 - (AF132000) TADA1 protein [Homo sapiens] | | UNCLASSIFIED | 22278995, 22278997, 22278998, 22278999, 264259, 29331822, 29331824, 29331826, 29331827, 29331828, 35696052, 264908, 265018, 21906765, 21906766, 21906767, 21906768, 265021, 263974, 18108374, 264558, 56526486, 22279000, 22279002 |